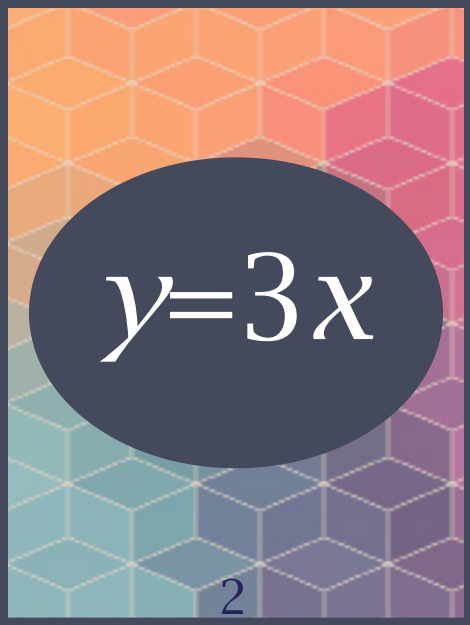
A rectangular card with a background of overlapping translucent cubes in shades of orange, pink, and teal. A dark blue oval is centered on the card, containing the equation  $y = -x$  in white serif font. The number 1 is in the bottom right corner.
$$y = -x$$

1

A rectangular card with a background of overlapping translucent cubes in shades of orange, pink, and teal. A dark blue oval is centered on the card, containing the equation  $y = 3x$  in white serif font. The number 2 is in the bottom right corner.
$$y = 3x$$

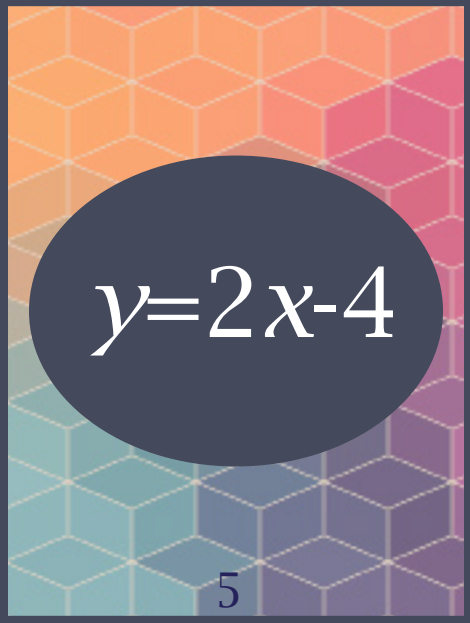
2

A rectangular card with a background of overlapping translucent cubes in shades of orange, pink, and teal. A dark blue oval is centered on the card, containing the equation  $y = -0.25x$  in white serif font. The number 3 is in the bottom right corner.
$$y = -0.25x$$

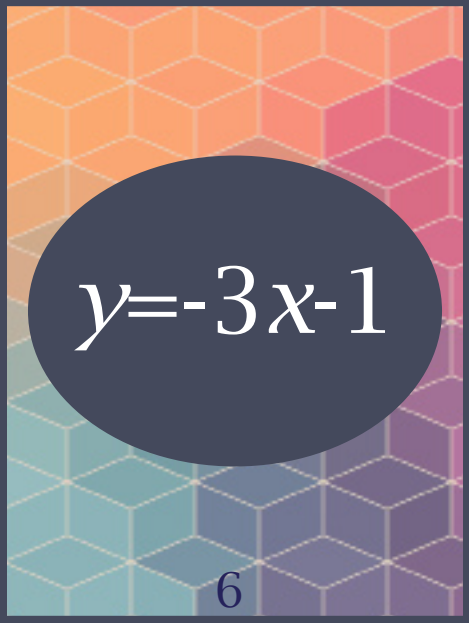
3

A rectangular card with a background of overlapping translucent cubes in shades of orange, pink, and teal. A dark blue oval is centered on the card, containing the equation  $y = 2x + 1$  in white serif font. The number 4 is in the bottom right corner.
$$y = 2x + 1$$

4

A rectangular card with a background of overlapping translucent cubes in shades of orange, pink, and teal. A dark blue oval is centered on the card, containing the equation  $y = 2x - 4$  in white serif font. The number 5 is in the bottom right corner.
$$y = 2x - 4$$

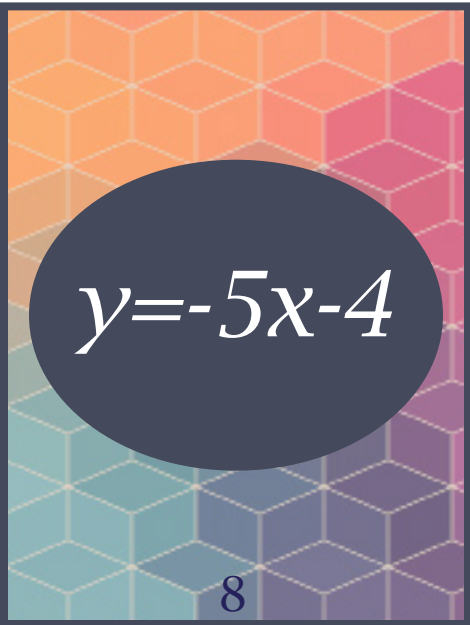
5

A rectangular card with a background of overlapping translucent cubes in shades of orange, pink, and teal. A dark blue oval is centered on the card, containing the equation  $y = -3x - 1$  in white serif font. The number 6 is in the bottom right corner.
$$y = -3x - 1$$

6

A rectangular card with a background of overlapping translucent cubes in shades of orange, pink, and teal. A dark blue oval is centered on the card, containing the equation  $y = -5x + 3$  in white serif font. The number 7 is in the bottom right corner.
$$y = -5x + 3$$

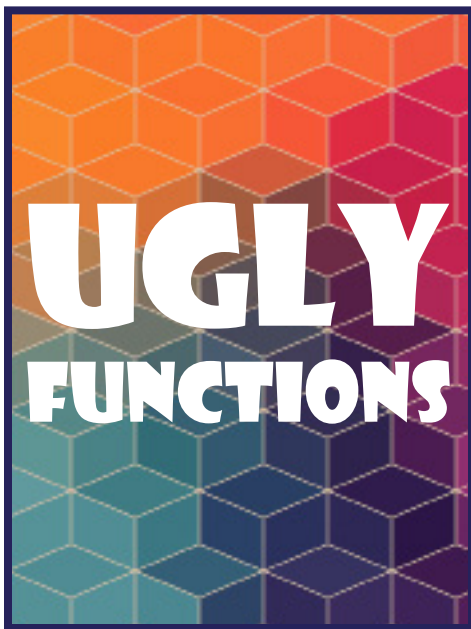
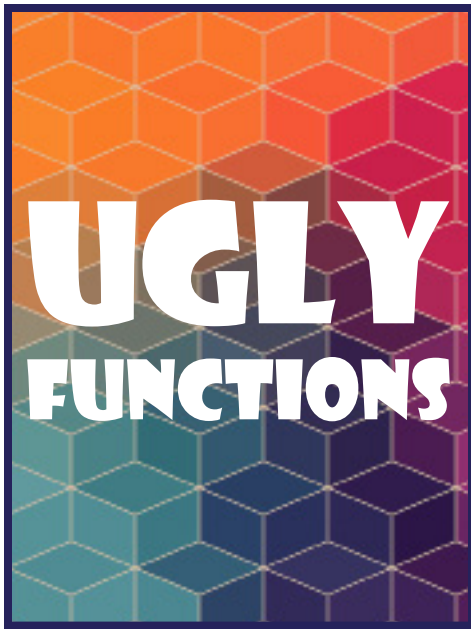
7

A rectangular card with a background of overlapping translucent cubes in shades of orange, pink, and teal. A dark blue oval is centered on the card, containing the equation  $y = -5x - 4$  in white serif font. The number 8 is in the bottom right corner.
$$y = -5x - 4$$

8

A rectangular card with a background of overlapping translucent cubes in shades of orange, pink, and teal. A dark blue oval is centered on the card, containing the equation  $y = 0.25x + 3$  in white serif font. The number 9 is in the bottom right corner.
$$y = 0.25x + 3$$

9





$$y=0.5x$$

10

$$y=-0.5x+2$$

11

$$y=0.5x-2$$

12

Marcus makes \$3 when he sells a gallon of lemonade. Find a function that gives his revenue based on the number of gallons of lemonade he sells.

13

Janine pays a quarter each time she plays pinball. Find a function that shows how much money she no longer has based on the number of pinball games she plays.

14

Aaron gives his sister \$1 each day for doing the dishes for him. Find a function that shows how much his net worth has changed based on the number of days Aaron's sister does the dishes for him.

15

At a garage sale, Joey sells cookies for 50 cents each. Find a function for his revenue, in dollars, based on the number of cookies he sells.

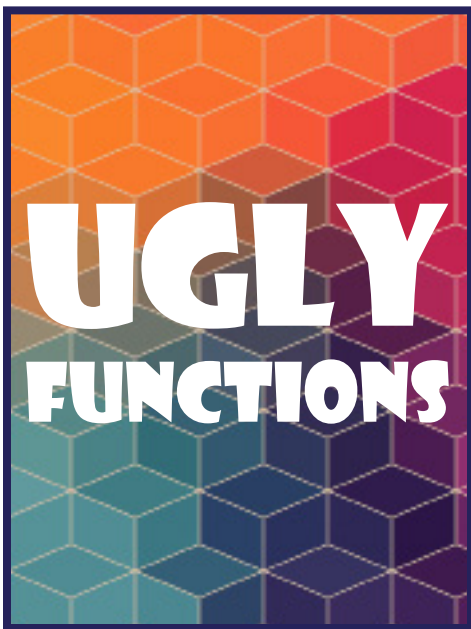
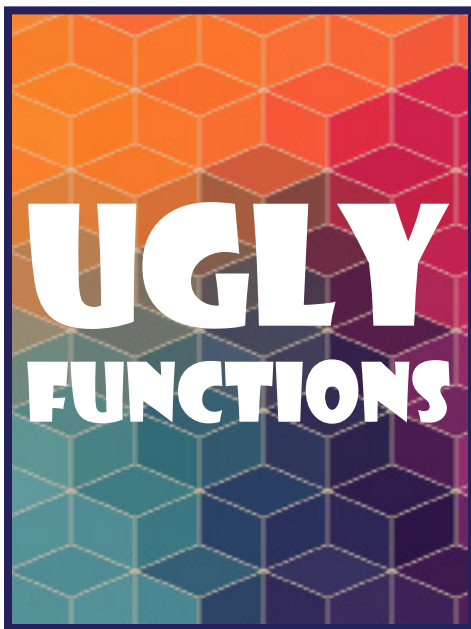
16

Serena has \$2 to spend on arcade games that cost 50 cents each to play. Find a function that models how much money (in dollars) she has based on the number of arcade games she plays.

17

Josie has \$3. Each month she pays \$5 to stream her music. Find a function that shows how much she has or owes based on the number of months she streams music.

18



Amy currently has \$1. She earns \$2 for each chore she completes. Find a function that shows how much money Amy has, based on the number of chores she completes.

19

Jose is already in the hole financially. He owes his dad \$4. He asked his dad to buy pies for \$5 each for a picnic. Write an equation that shows how much money Jose has or owes.

20

Justine sells brownies for \$0.50 each. The ingredients are donated but she buys paper plates and napkins for \$2. Write an equation to show how much she makes selling brownies.

21

Gabby currently has \$3 in her piggy bank. Every day, she receives an allowance of 25 cents that she puts into the bank. Find a function for the amount in her piggy bank.

22

Jared sells glasses of orange juice for \$2 each. He pays \$4 for a booth. Find a function that shows his profit based on the number of glasses of orange juice he sells.

23

Taylor owes her mom \$1. She wants to buy \$3 novelty hats for each of her friends. Write an equation that shows how much money she will have or owe after buying the hats.

24

$x$	$y$
1	3
2	5
3	7
4	9
5	11

25

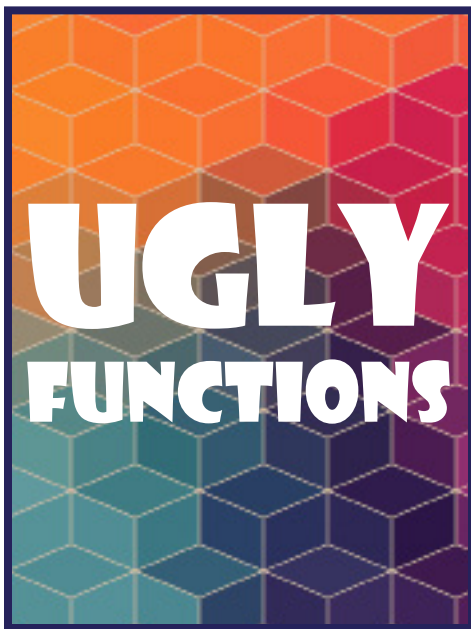
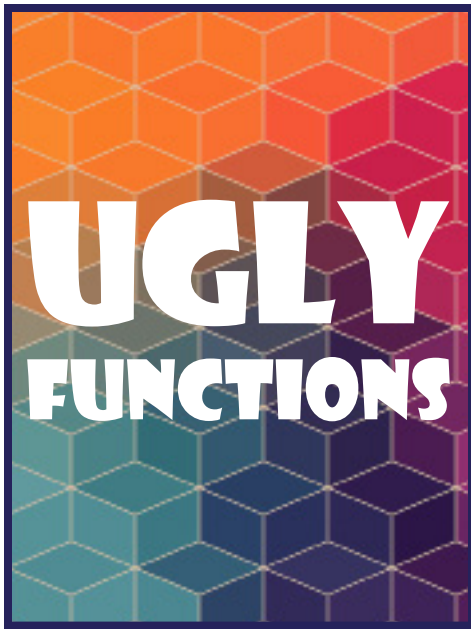
$x$	$y$
-24	5
-20	4
-16	3
-8	2
-4	1

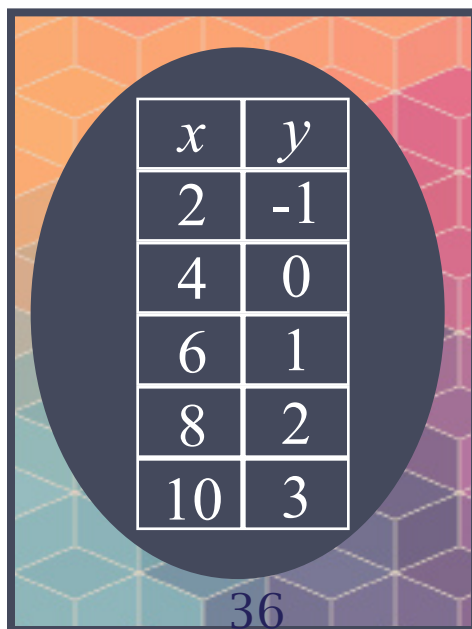
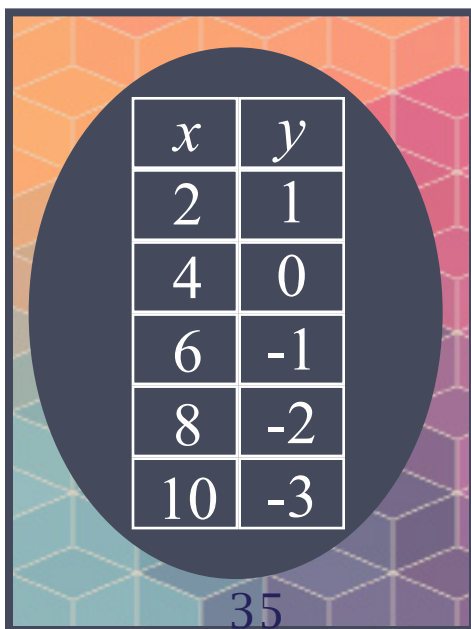
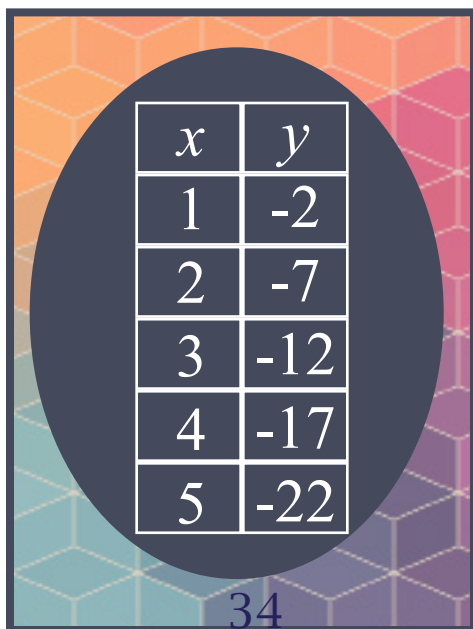
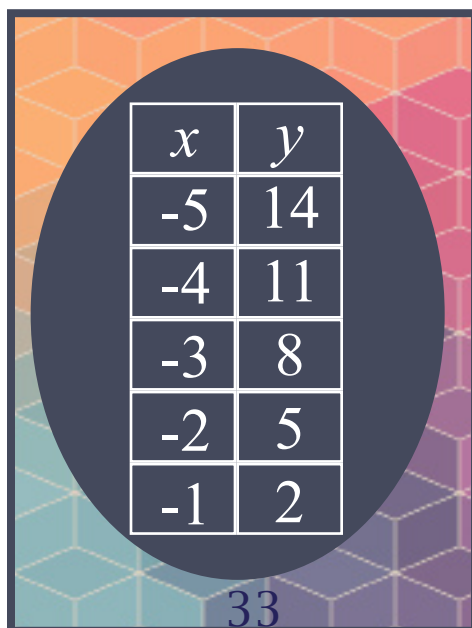
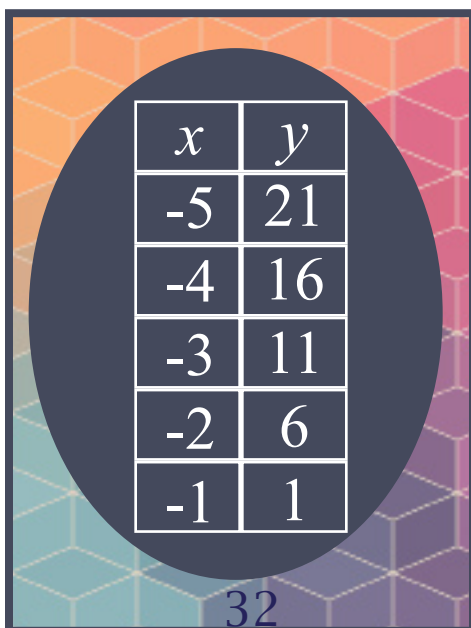
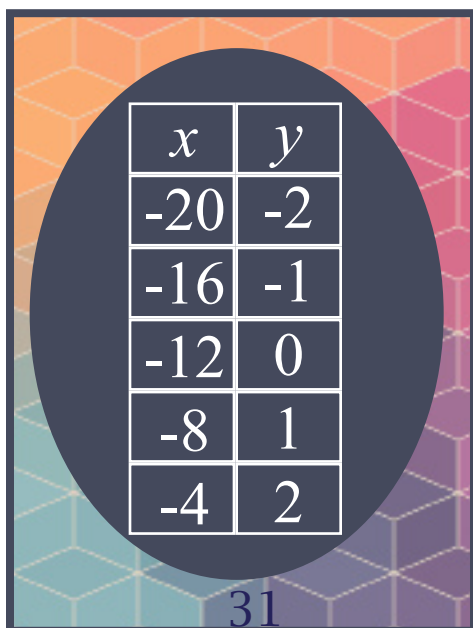
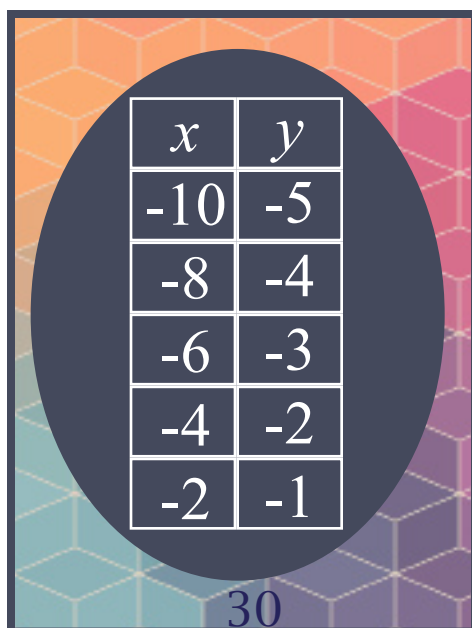
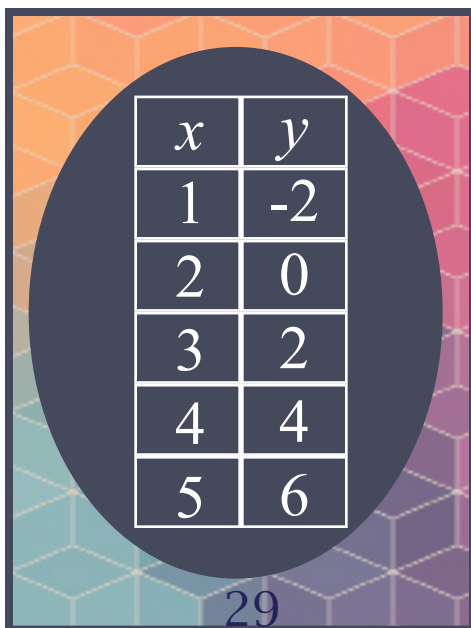
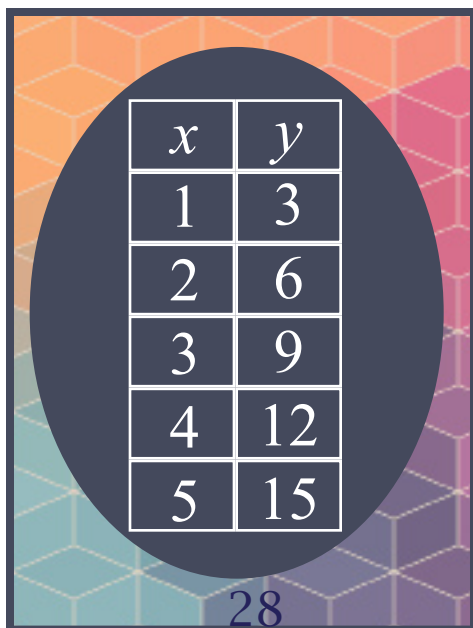
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$x$	$y$
1	-1
2	-2
3	-3
4	-4
5	-5

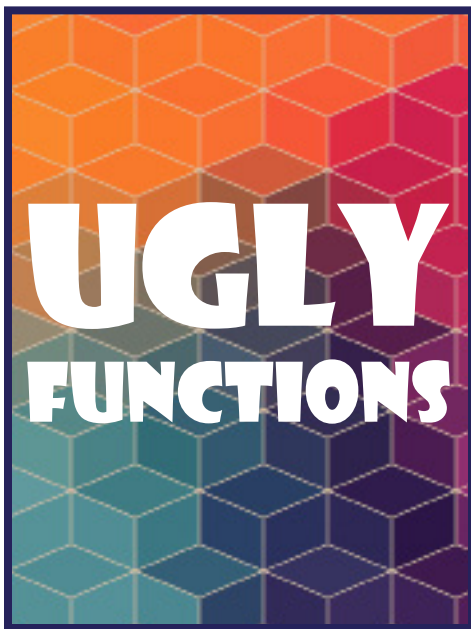
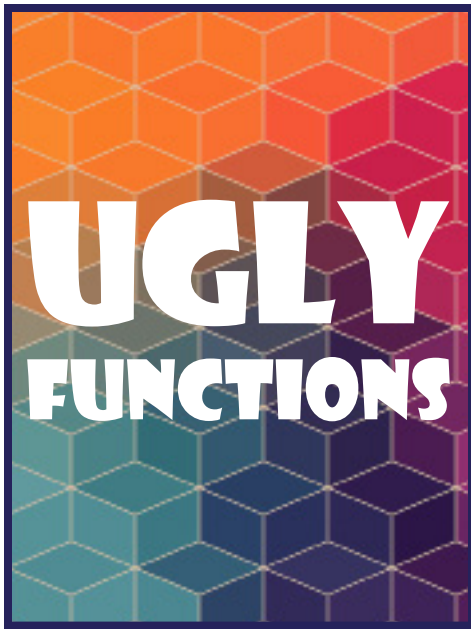
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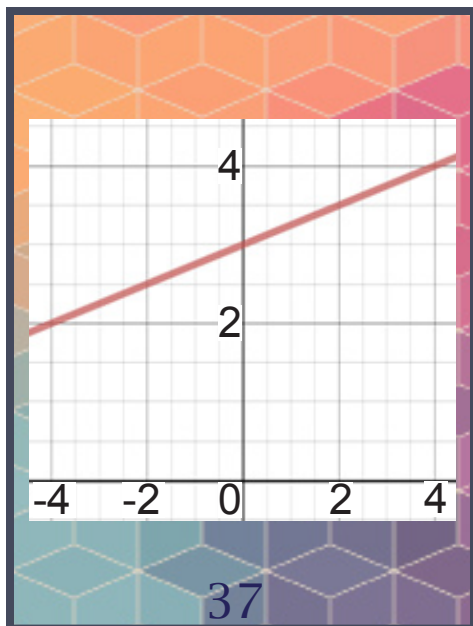




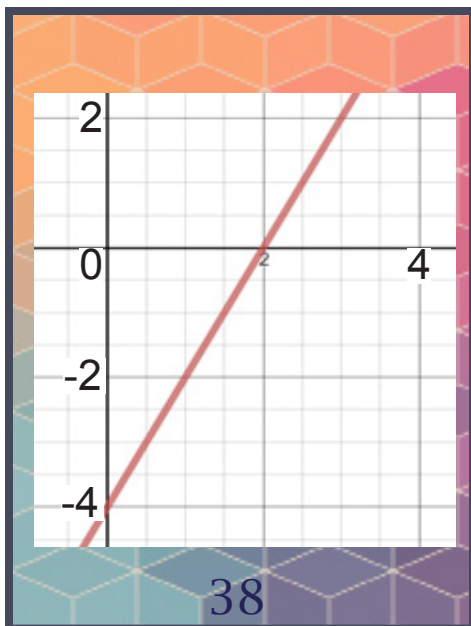




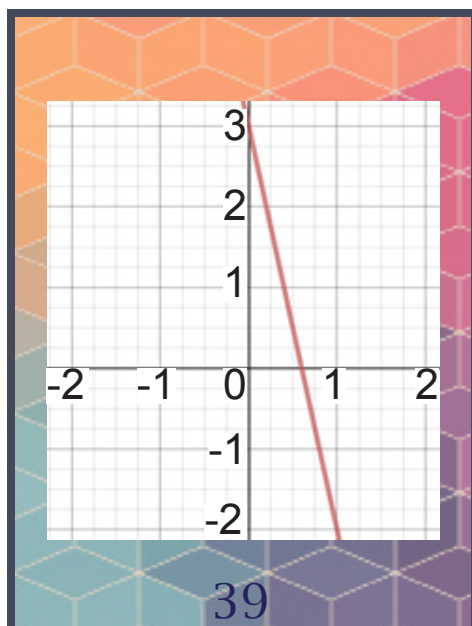




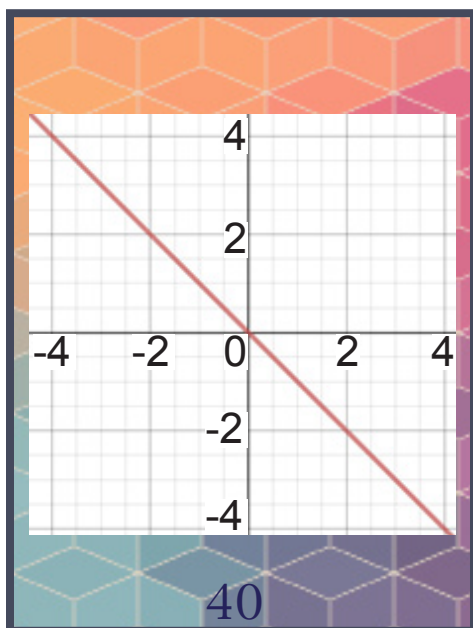
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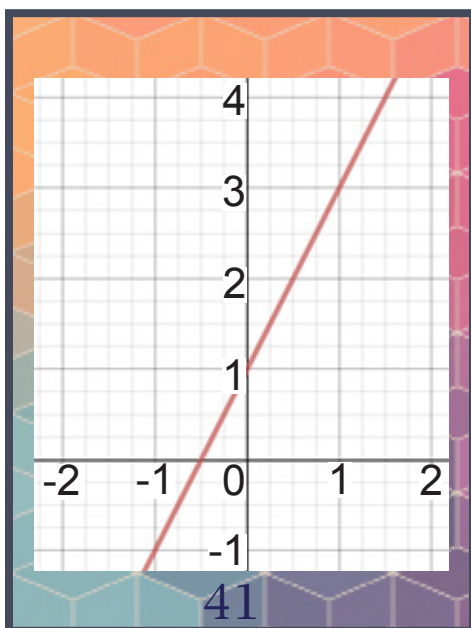
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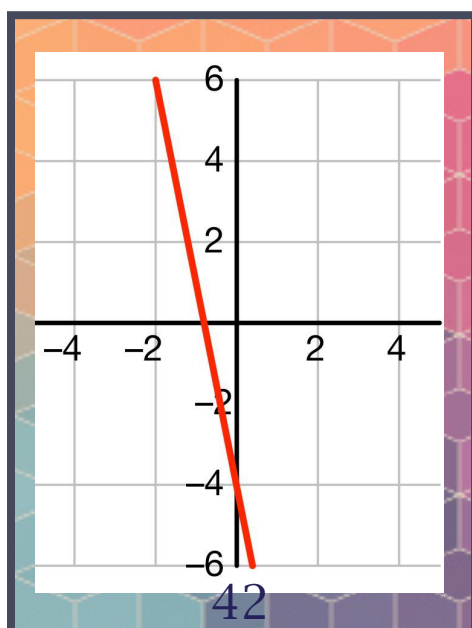
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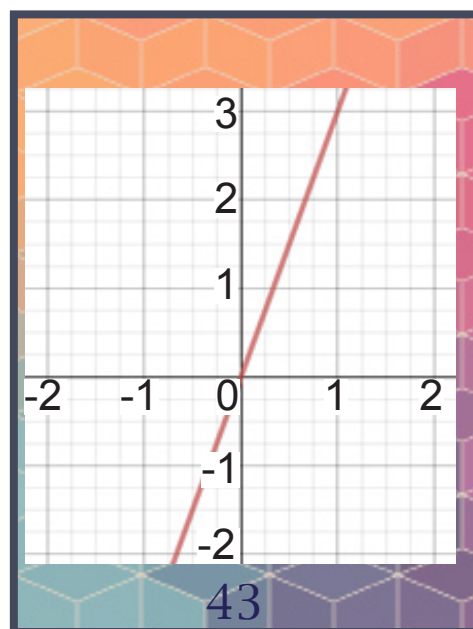
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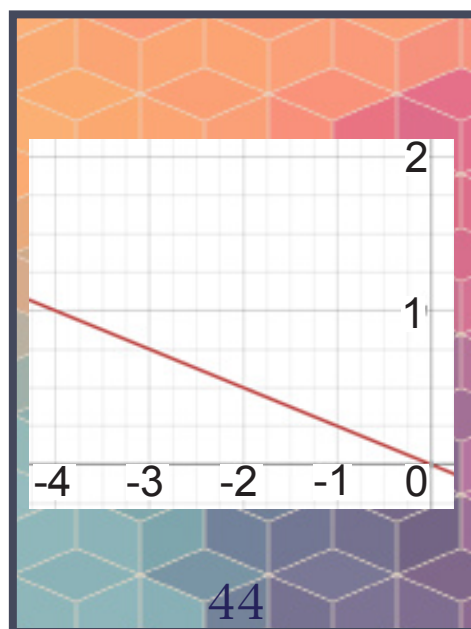
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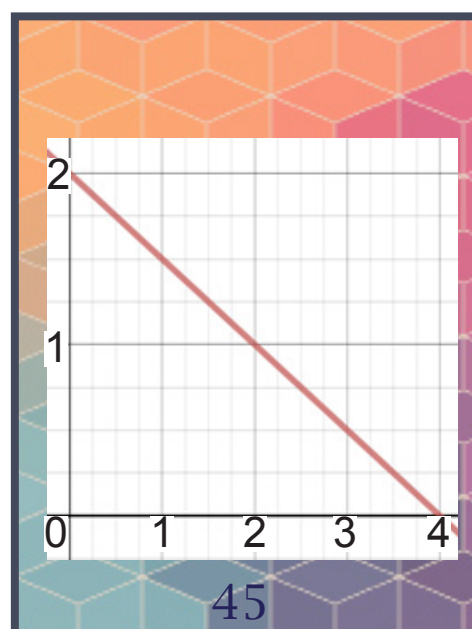
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43



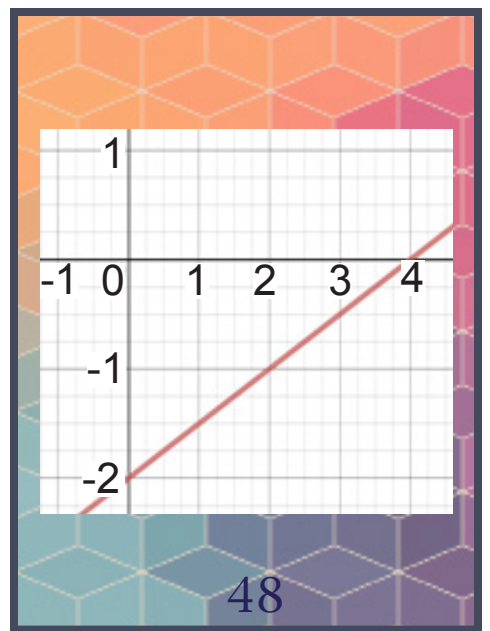
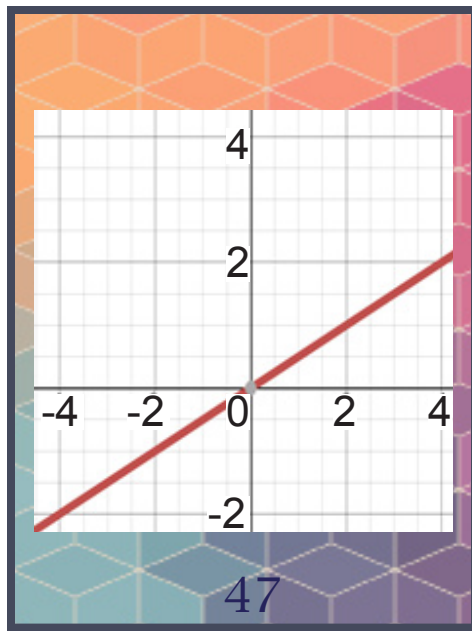
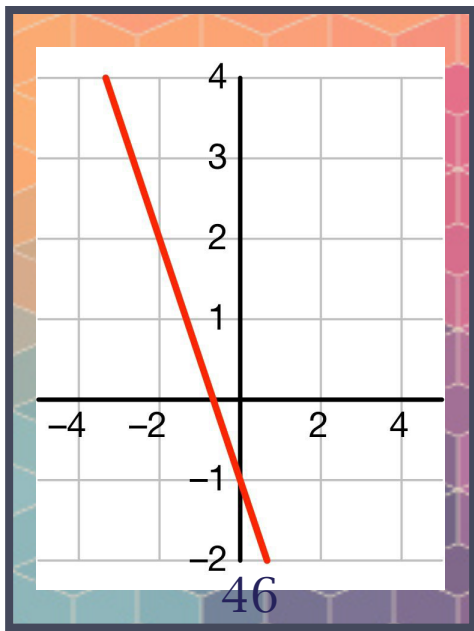
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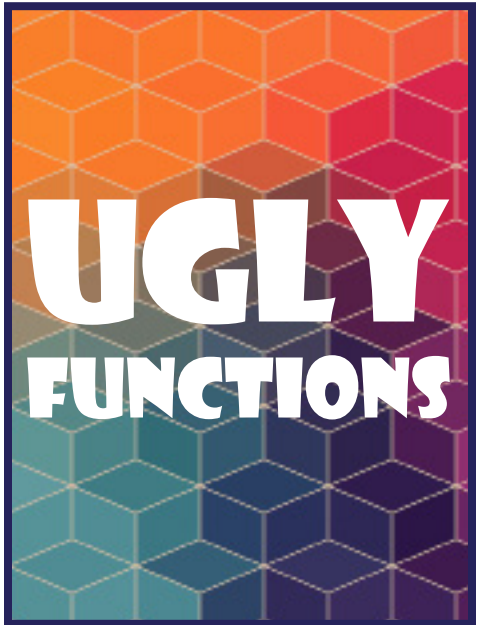
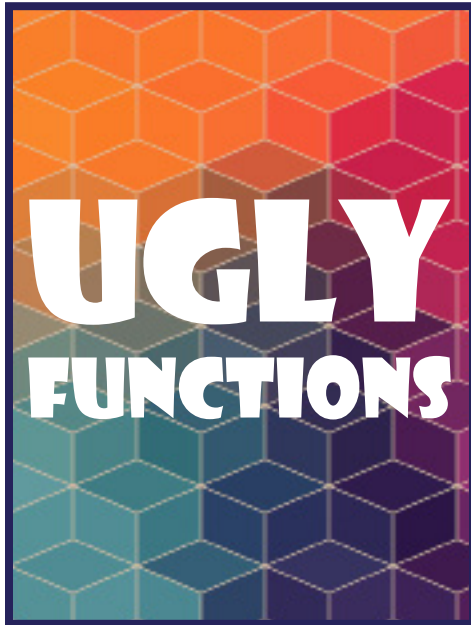
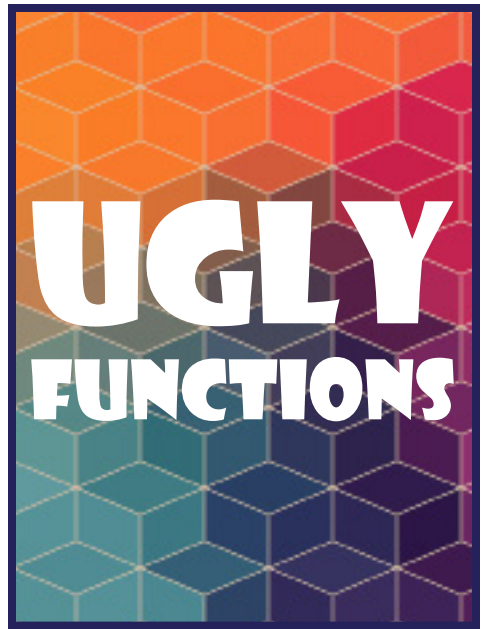


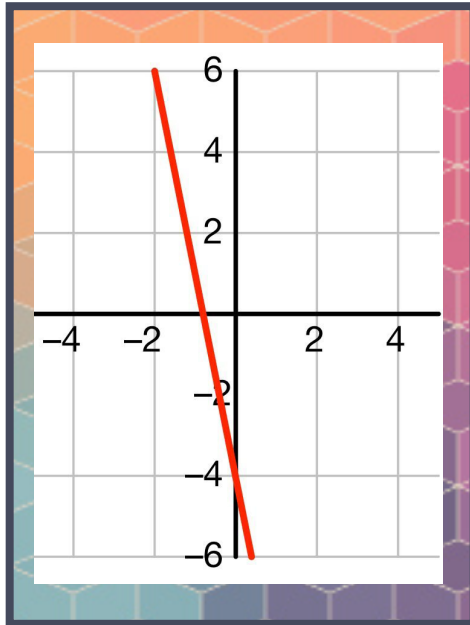
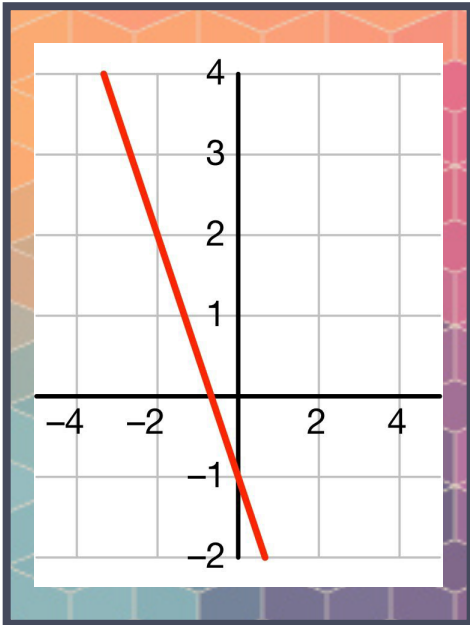
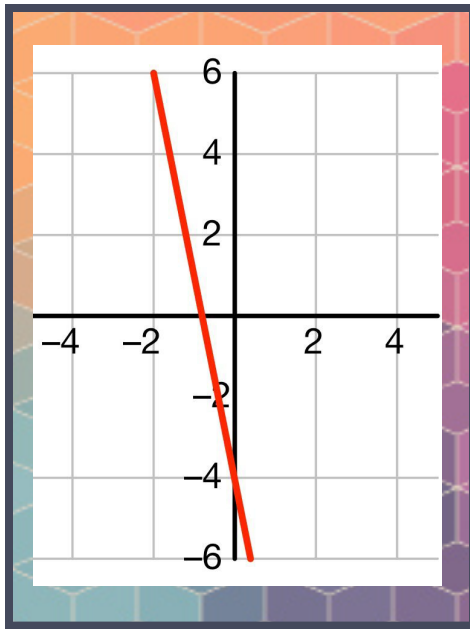
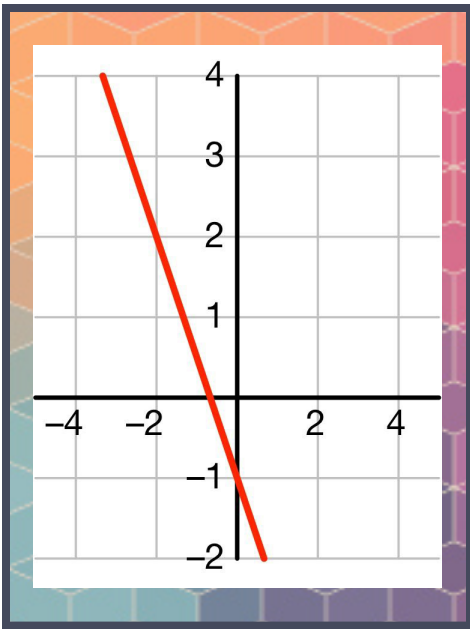
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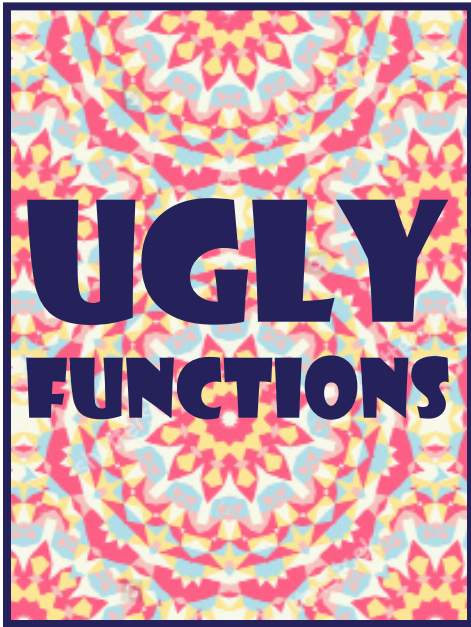
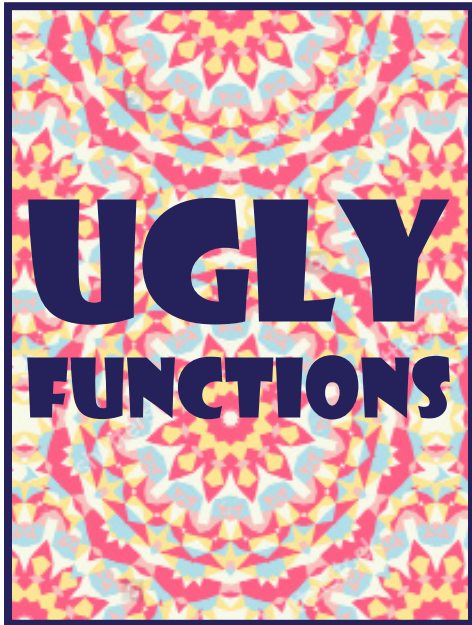
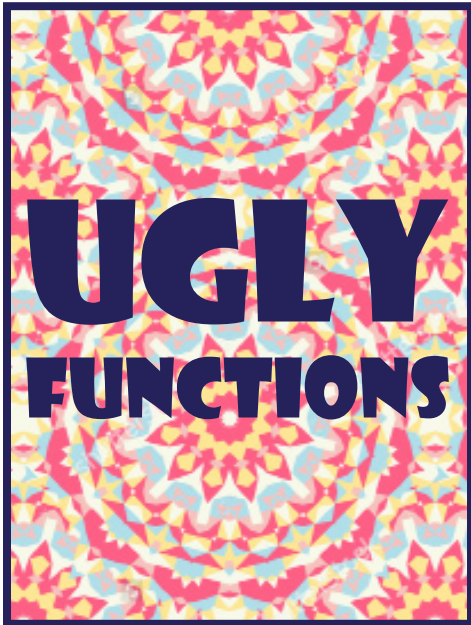
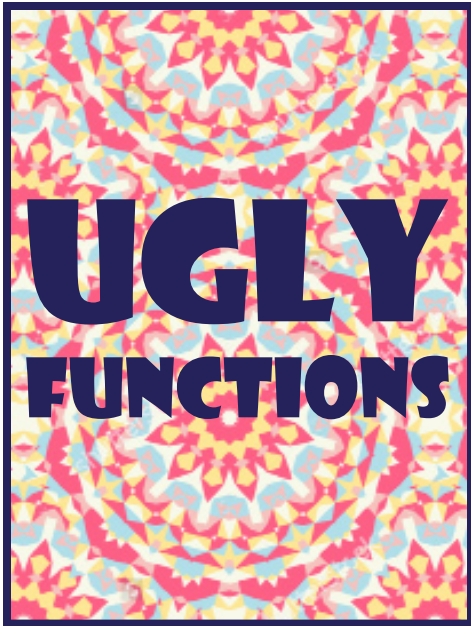
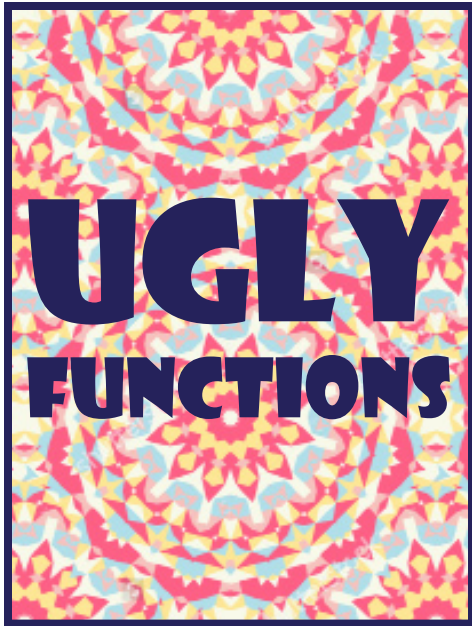
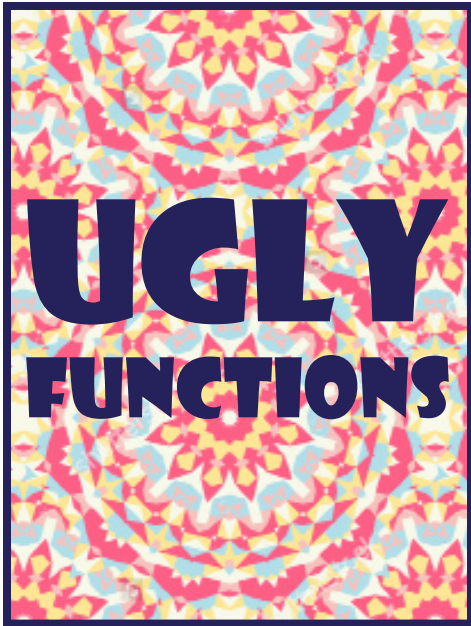


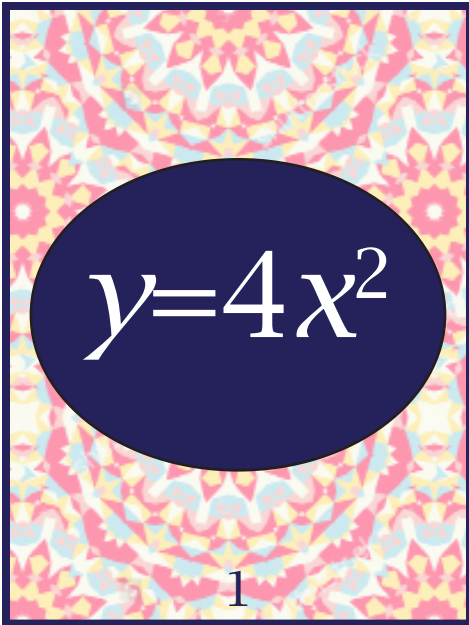




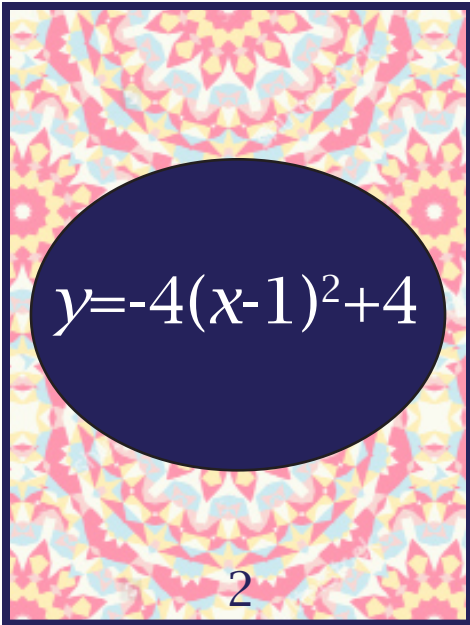




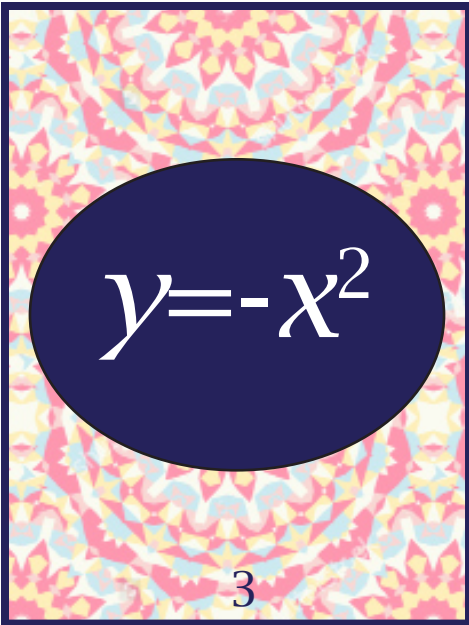



$$y=4x^2$$

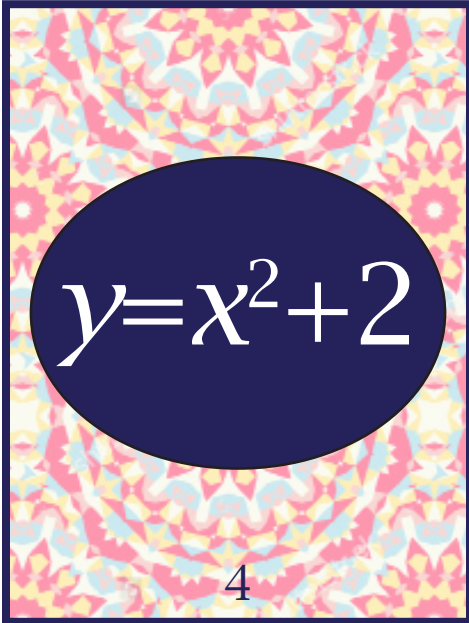
1


$$y=-4(x-1)^2+4$$

2


$$y=-x^2$$

3


$$y=x^2+2$$

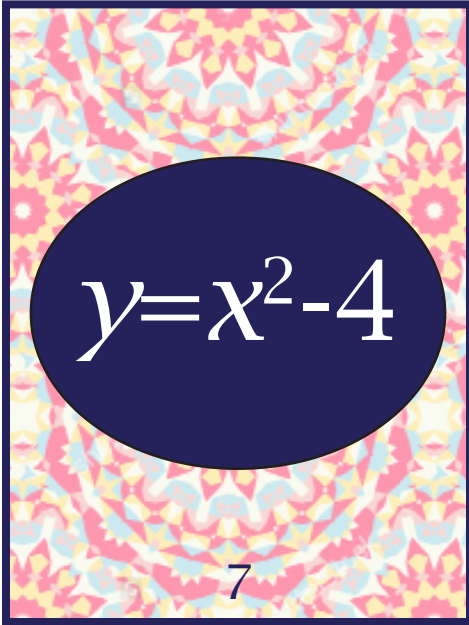
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$$y=-2(x+2)^2+1$$

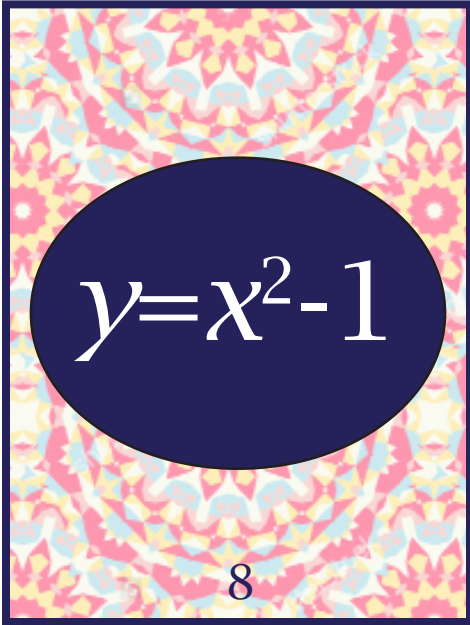
5


$$y=(x-2)^2+6$$

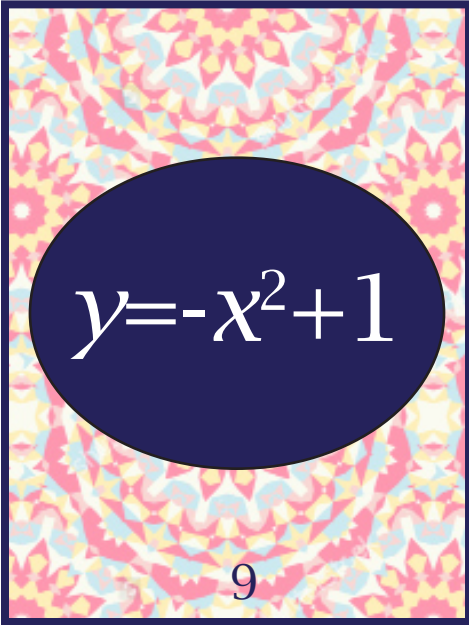
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$$y=x^2-4$$

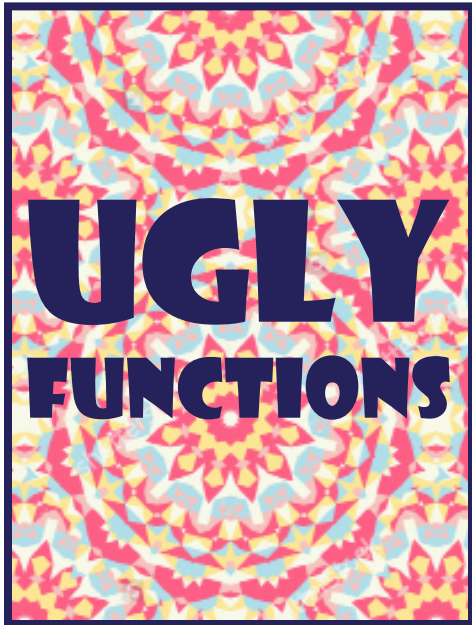
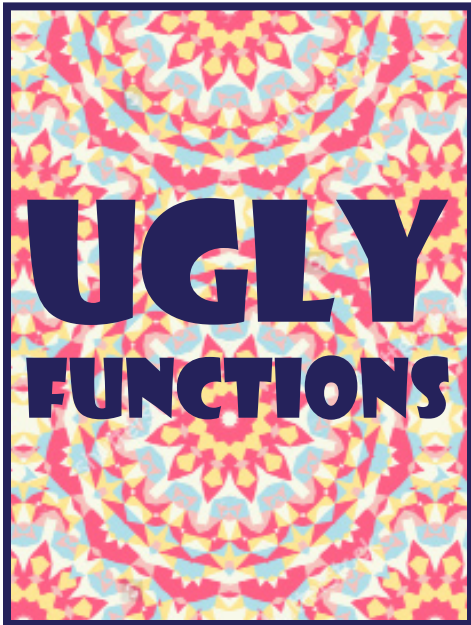
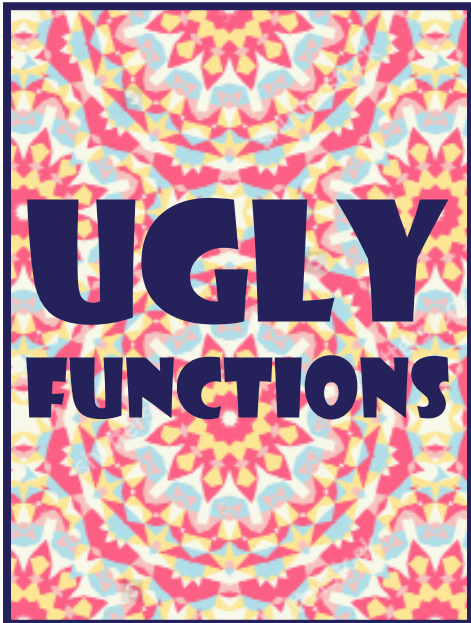
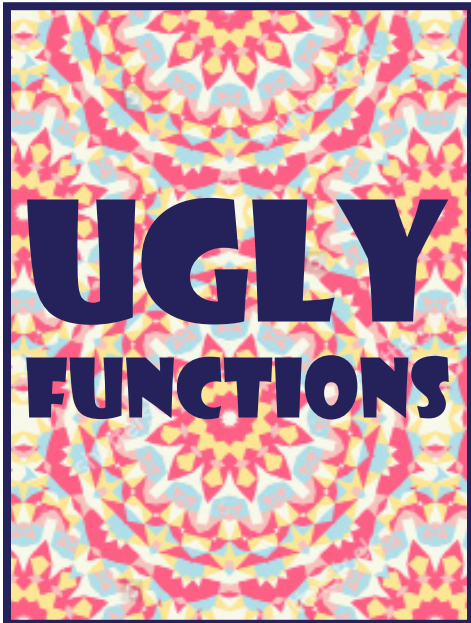
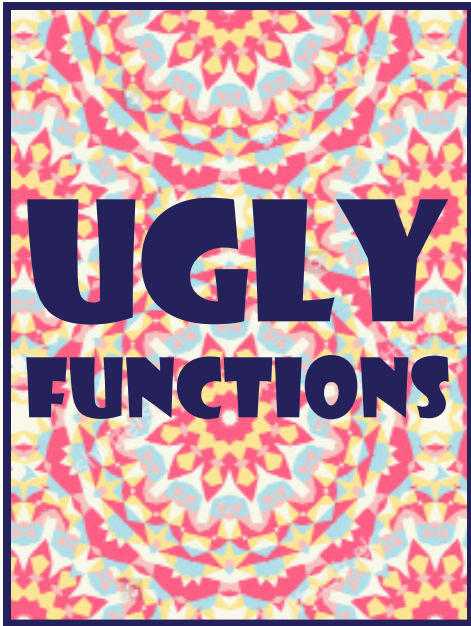
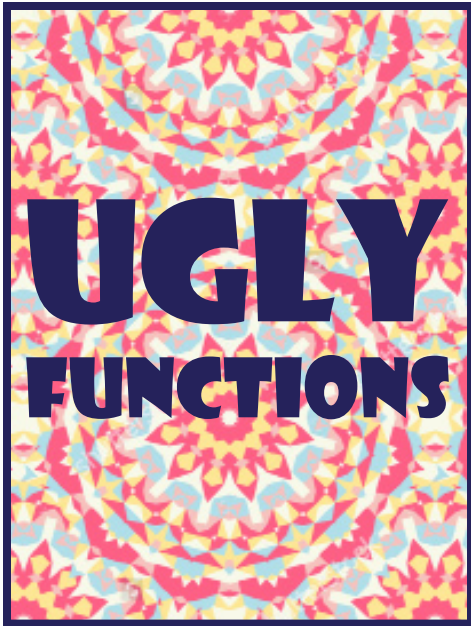
7


$$y=x^2-1$$

8


$$y=-x^2+1$$

9






$$y=-(x+2)^2+1$$

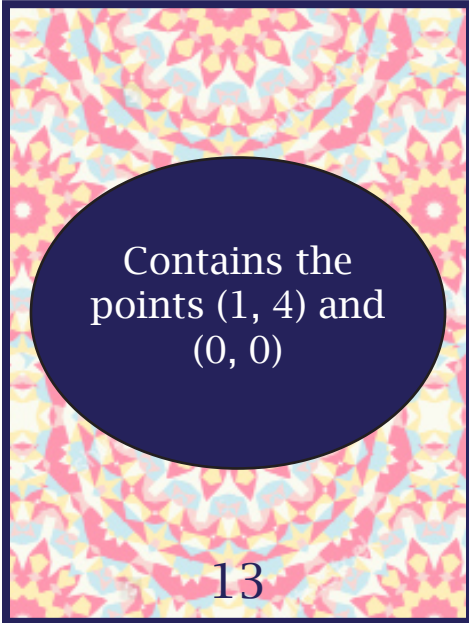
10


$$y=-(x+2)^2+2$$

11

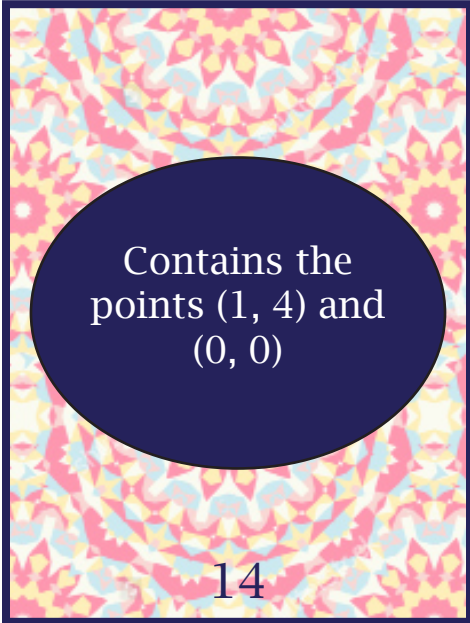

$$y=3(x-2)^2$$

12



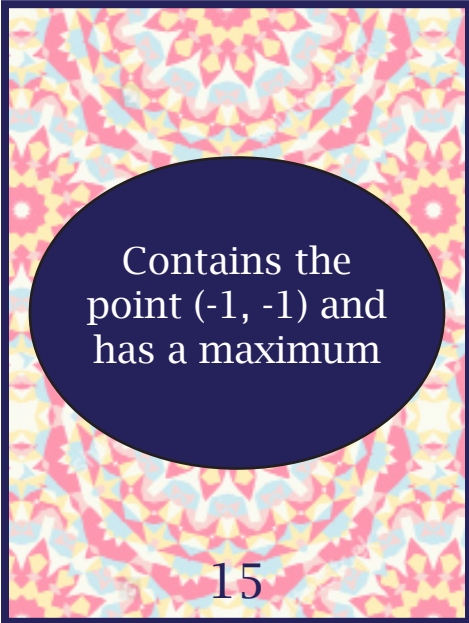
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13



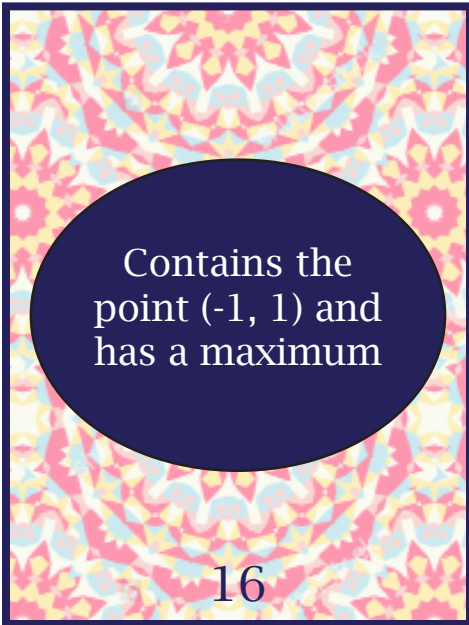
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points (1, 4) and  
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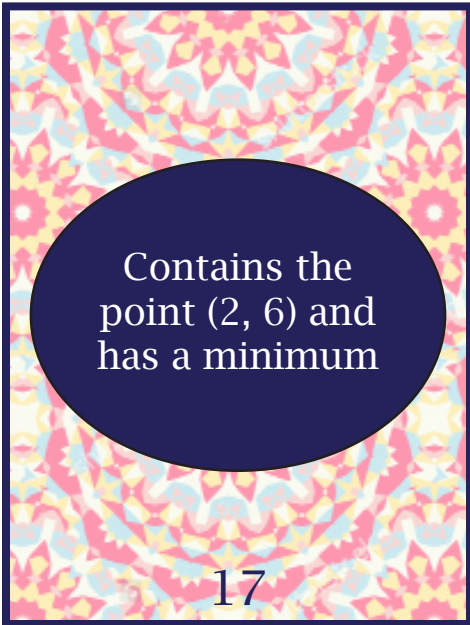
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has a maximum

15



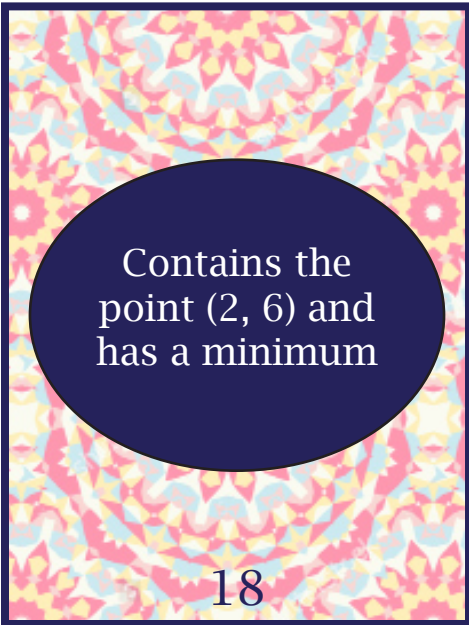
Contains the  
point (-1, 1) and  
has a maximum

16



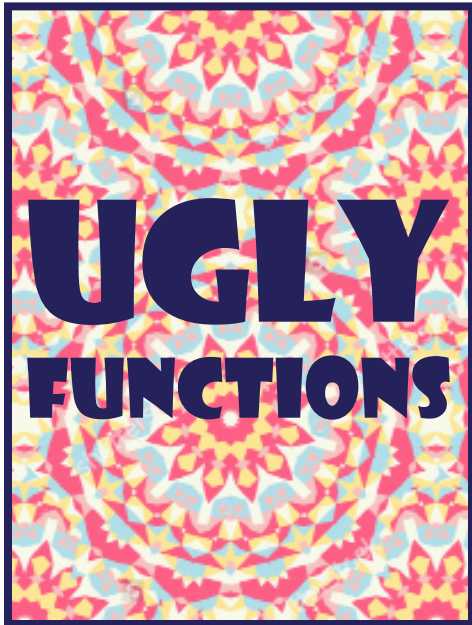
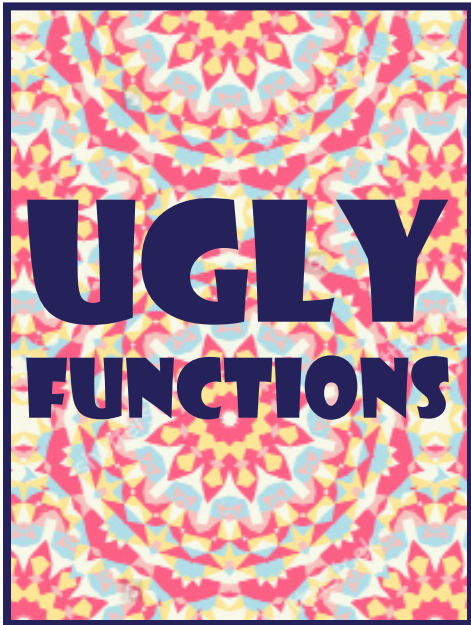
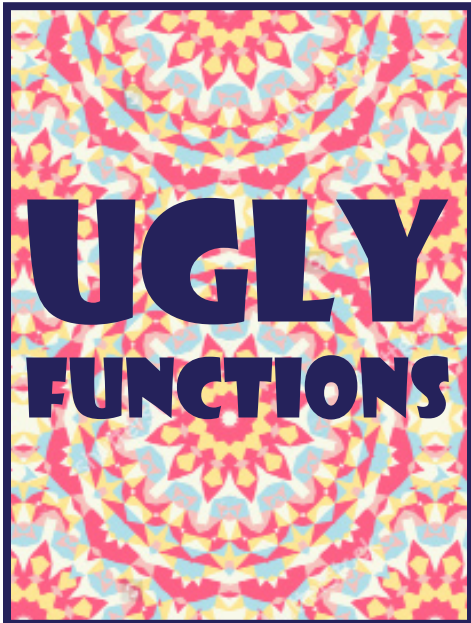
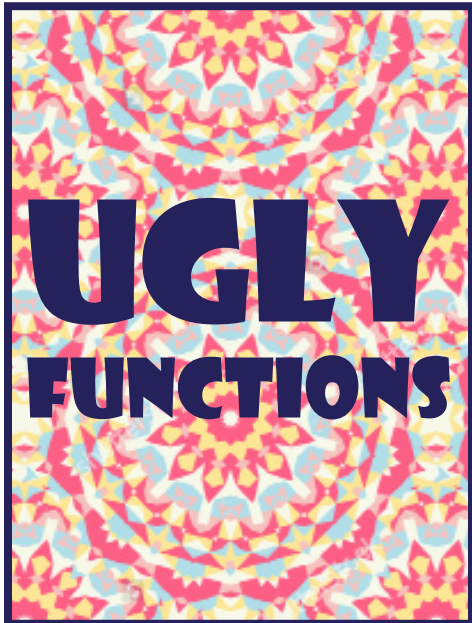
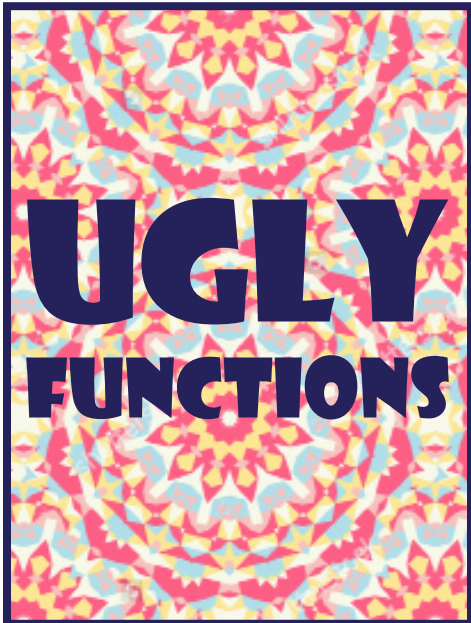
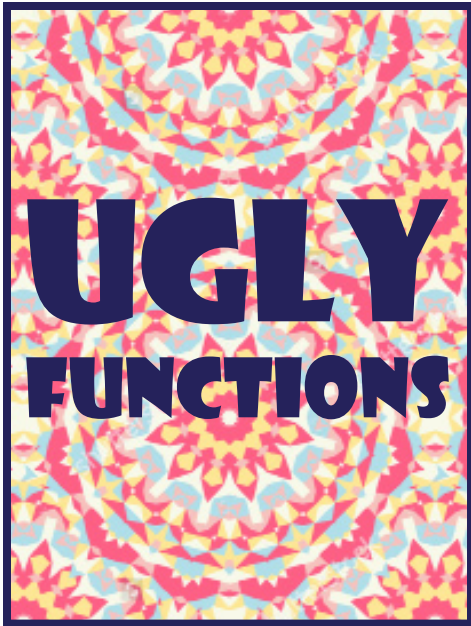
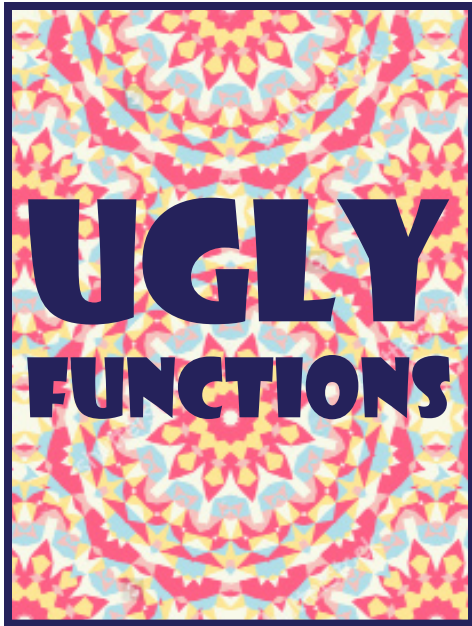
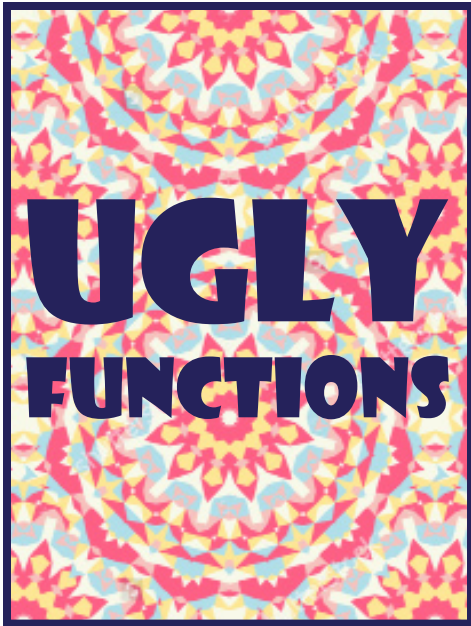
Contains the  
point (2, 6) and  
has a minimum

17



Contains the  
point (2, 6) and  
has a minimum

18



Contains the  
point  $(2, 0)$  and  
has a minimum

19

Contains the  
point  $(2, 0)$  and  
has a minimum

20

Has a vertex of  
 $(-2, 1)$  and a  
maximum

21

Has a vertex of  
 $(-2, 1)$  and a  
maximum

22

Contains the  
points  $(-1, 0)$   
and  $(1, 0)$

23

Contains the  
points  $(-1, 0)$   
and  $(1, 0)$

24

$x$	$y$
-2	-3
-1	0
0	1
1	0
2	-3

25

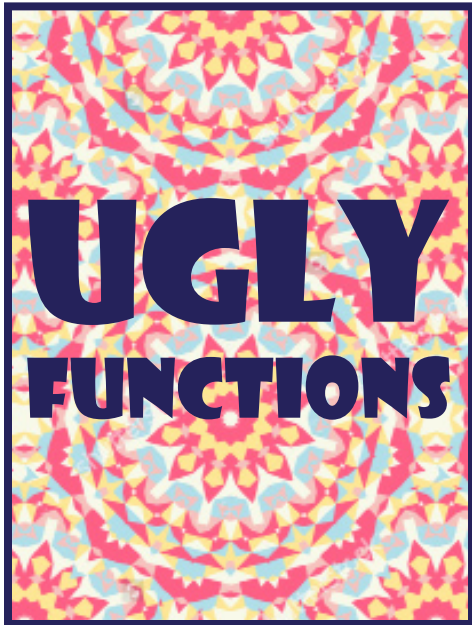
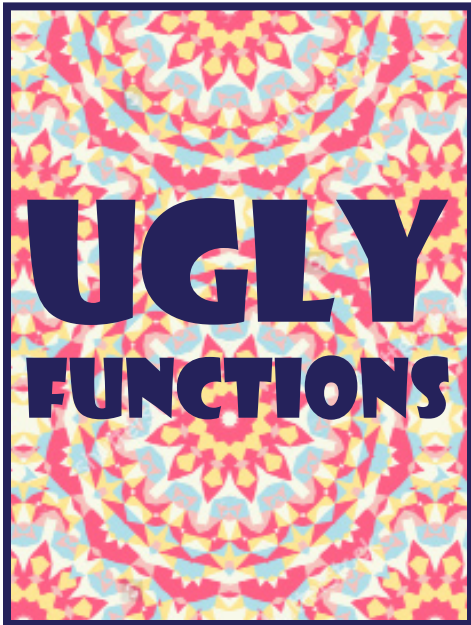
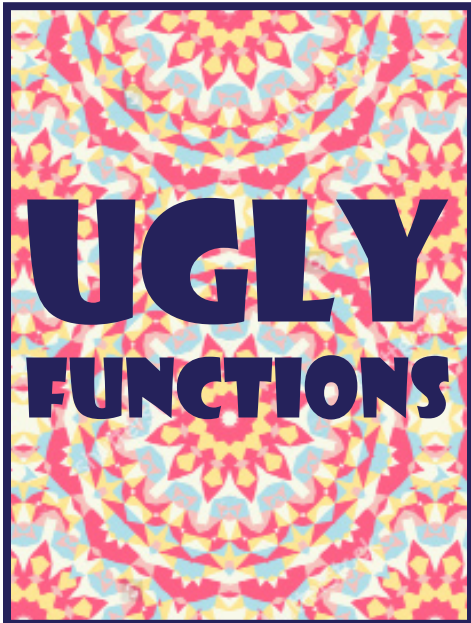
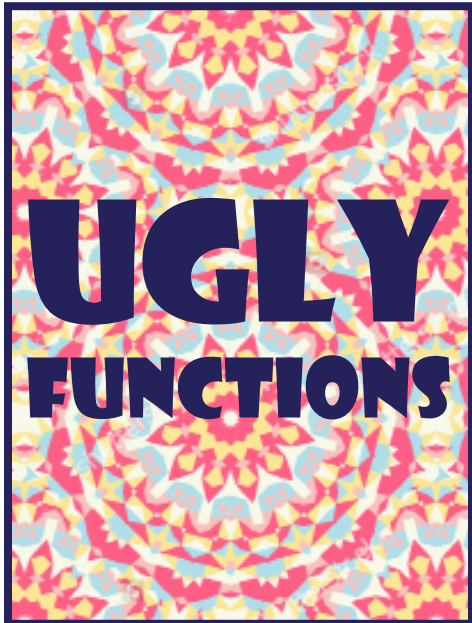
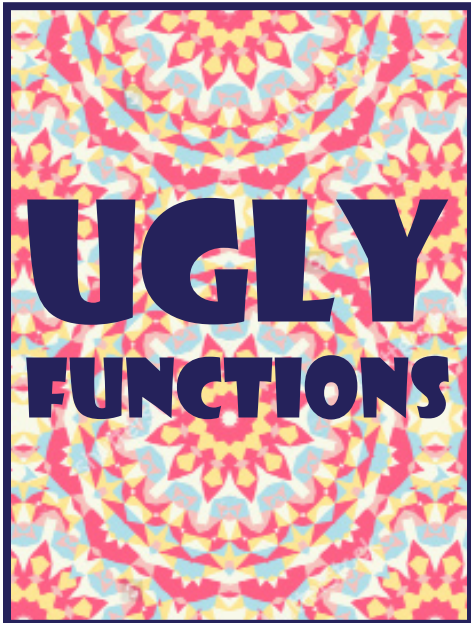
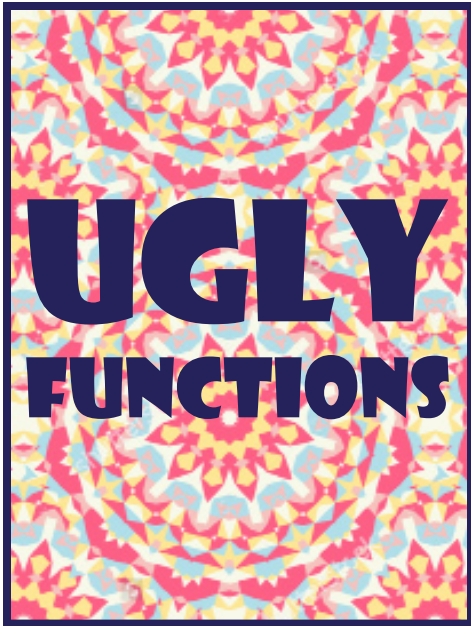
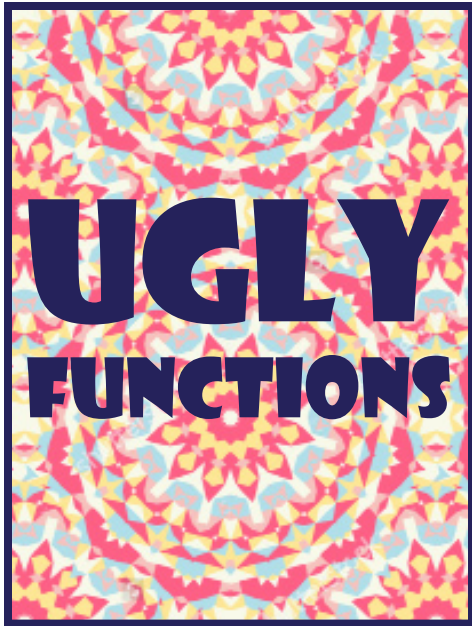
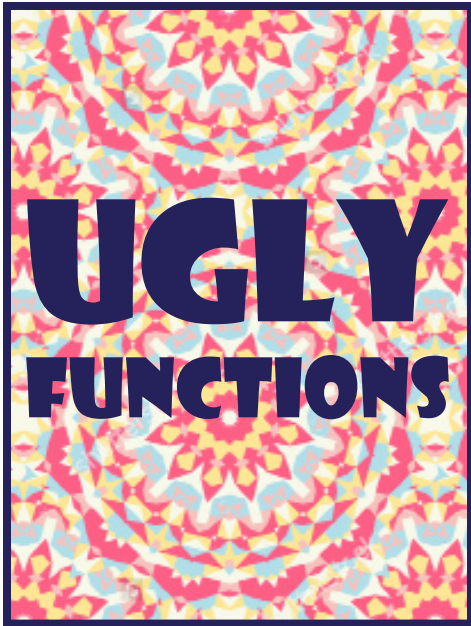
$x$	$y$
-2	3
-1	0
0	-1
1	0
2	3

26

$x$	$y$
-2	48
-1	27
0	12
1	3
2	0

27





$x$	$y$
-2	0
-1	-3
0	-4
1	-3
2	0

28

$x$	$y$
-2	2
-1	1
0	-2
1	-7
2	-14

29

$x$	$y$
-2	1
-1	0
0	-3
1	-8
2	-15

30

$x$	$y$
-2	22
-1	15
0	10
1	7
2	6

31

$x$	$y$
-2	6
-1	3
0	2
1	3
2	6

32

$x$	$y$
-2	1
-1	-1
0	-7
1	-17
2	-31

33

$x$	$y$
-2	-4
-1	-1
0	0
1	-1
2	-4

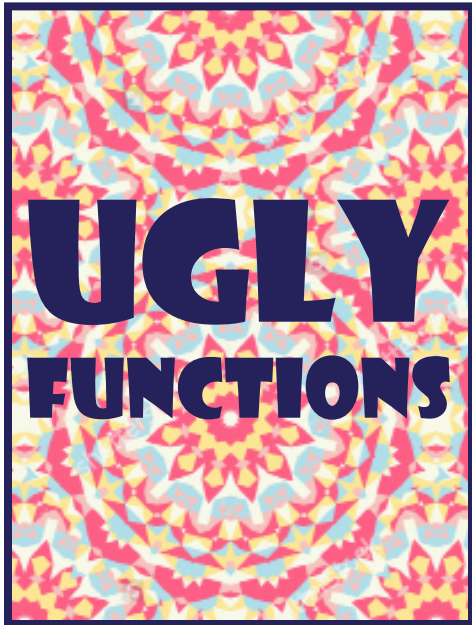
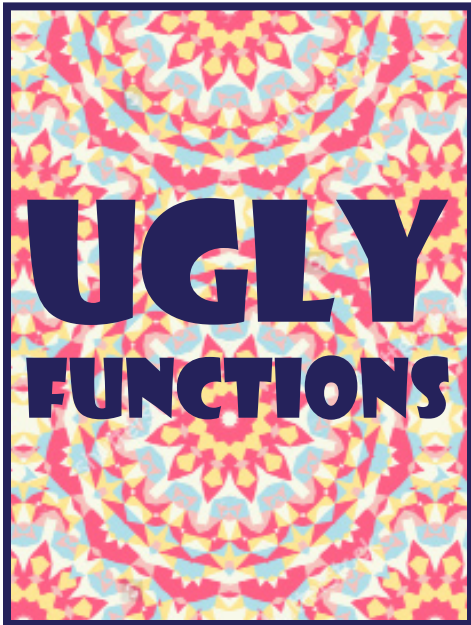
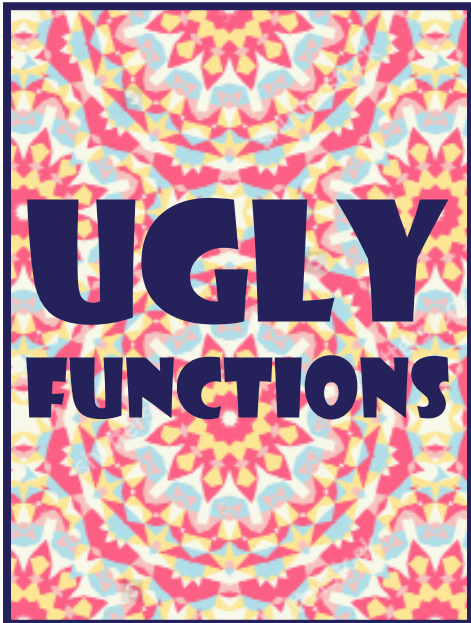
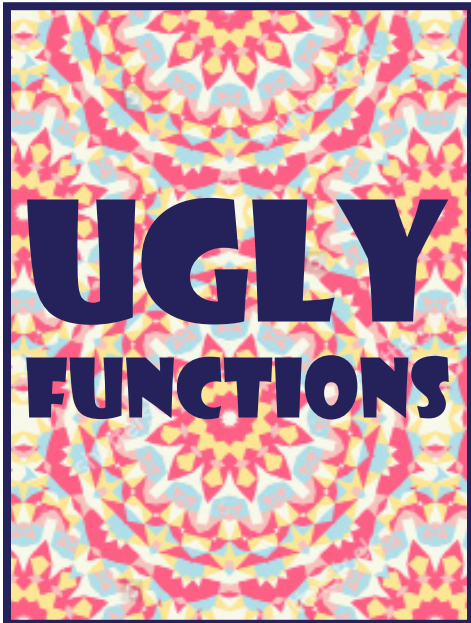
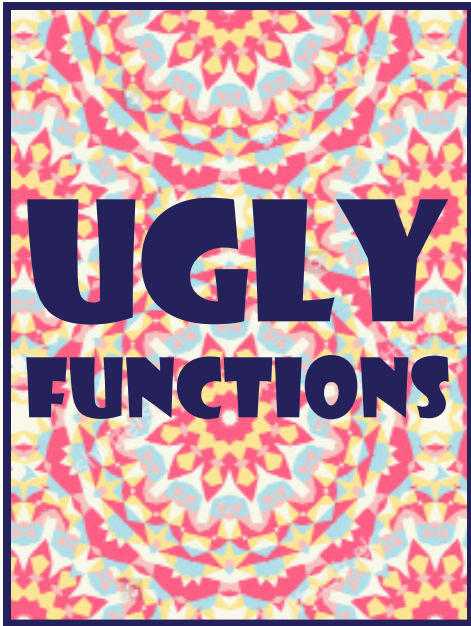
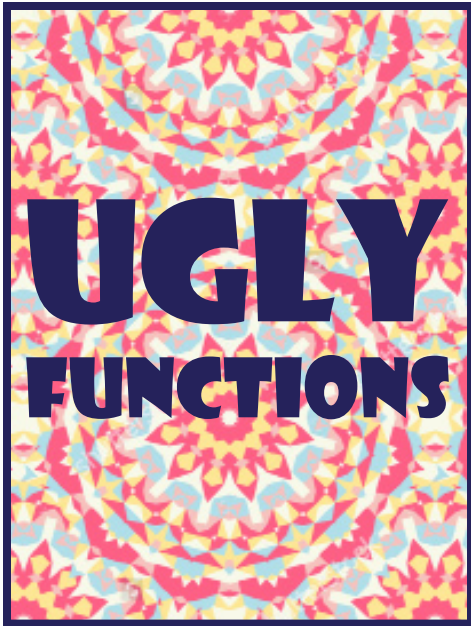
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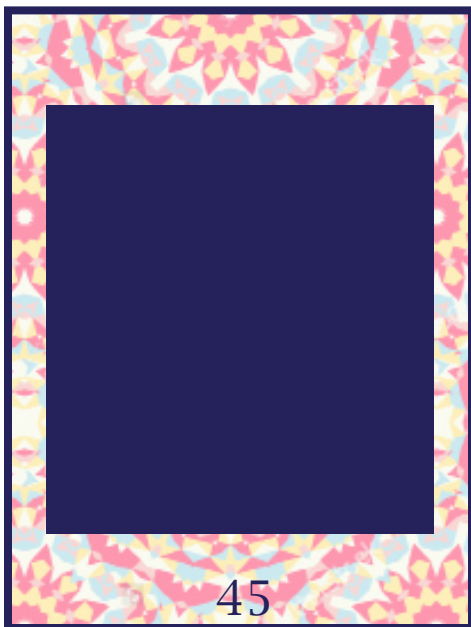
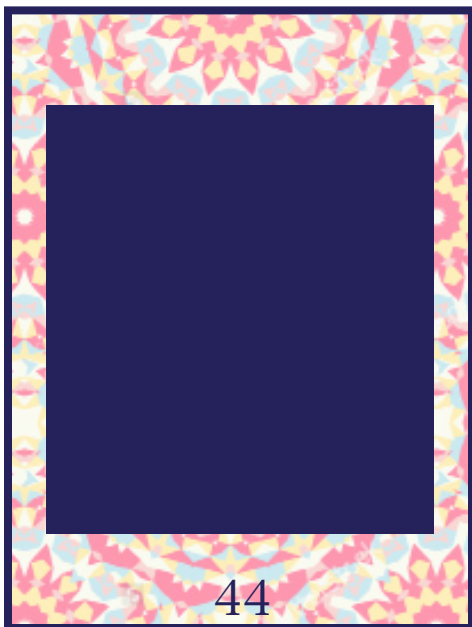
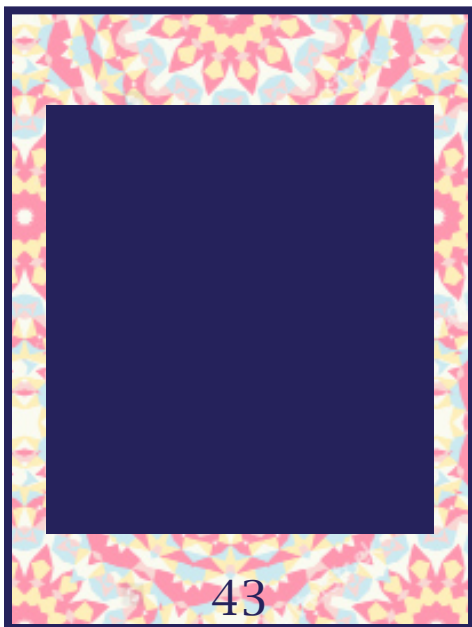
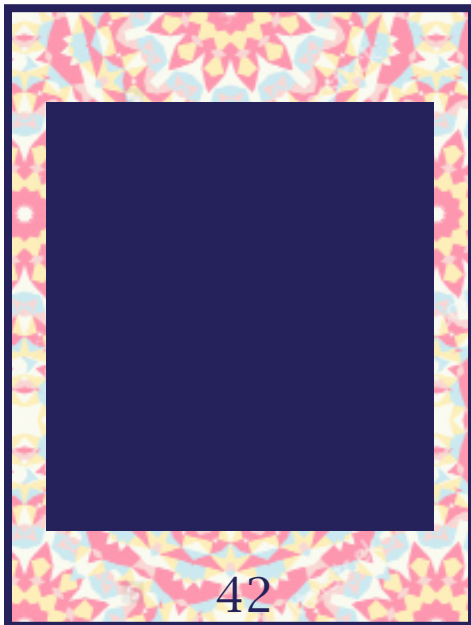
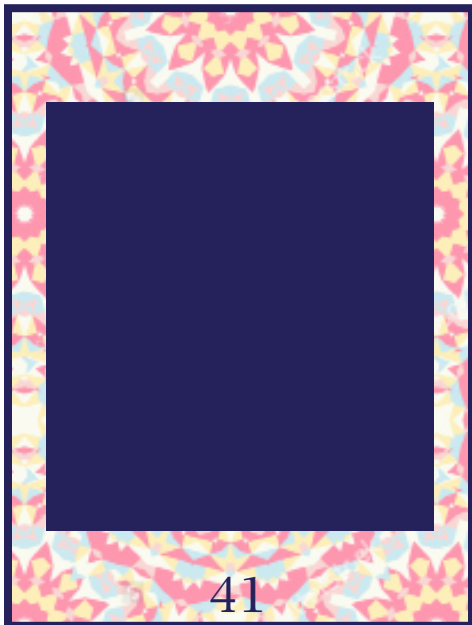
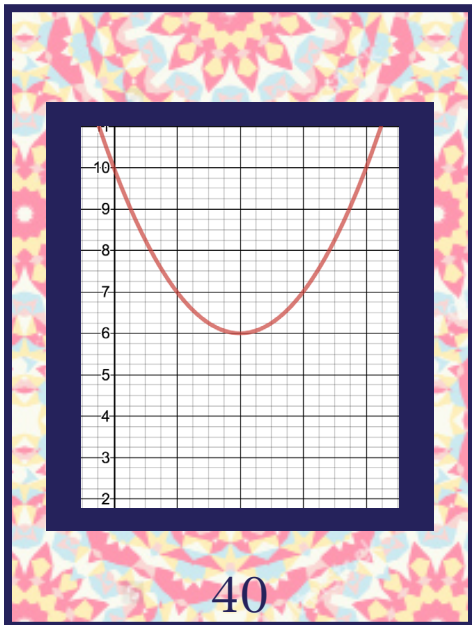
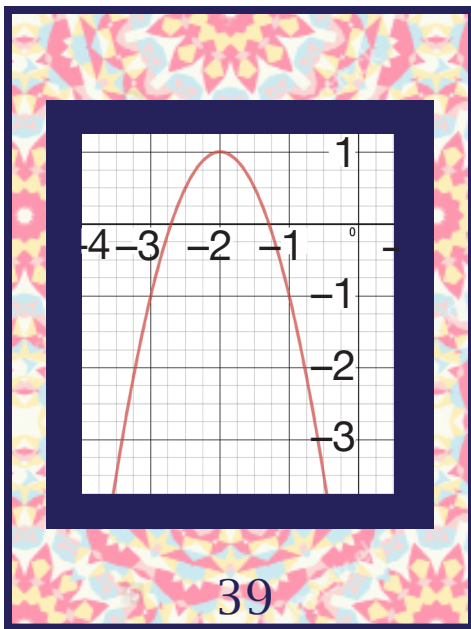
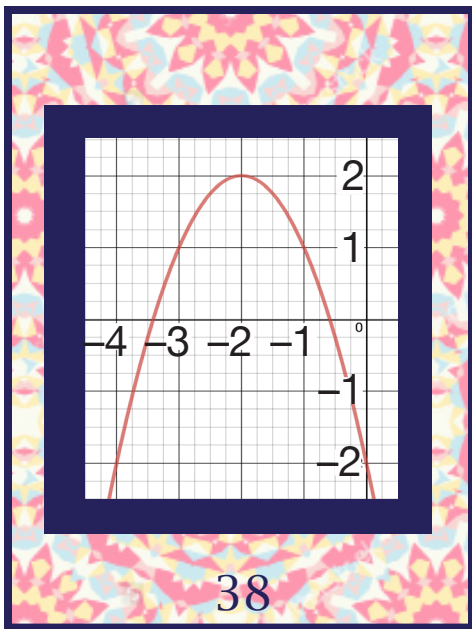
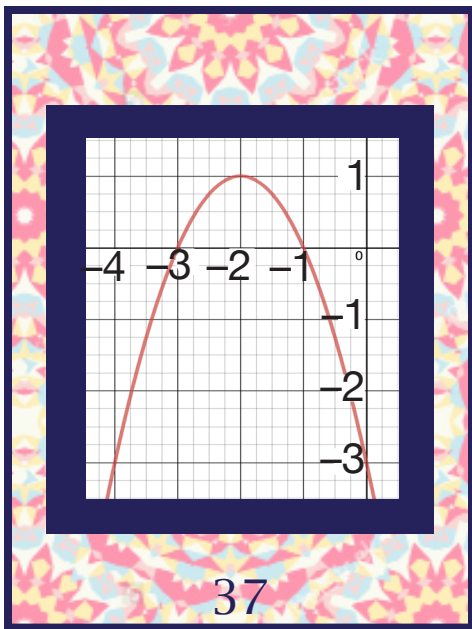
$x$	$y$
-2	-32
-1	-12
0	0
1	4
2	0

35

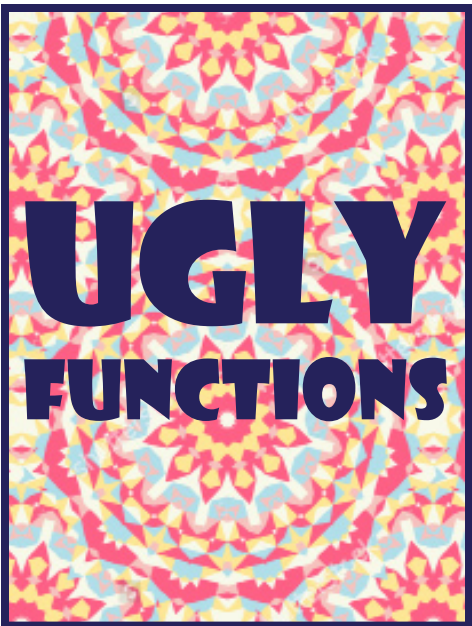
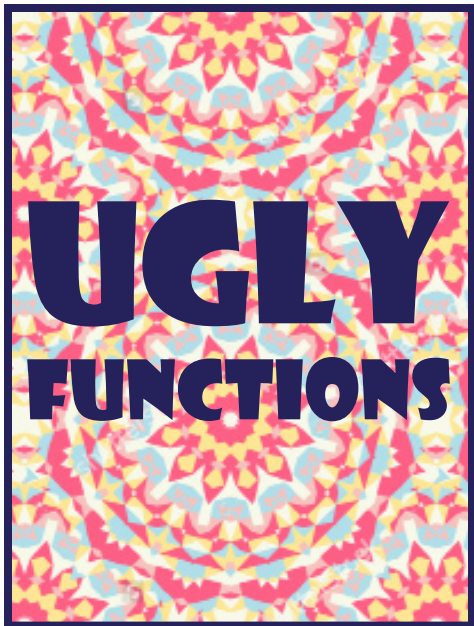
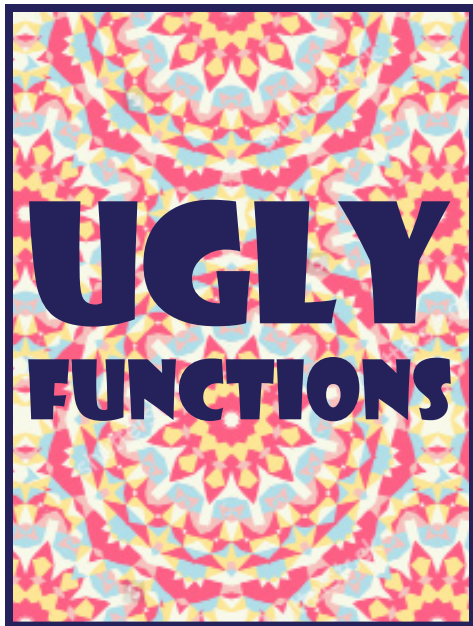
$x$	$y$
-2	16
-1	4
0	0
1	4
2	16

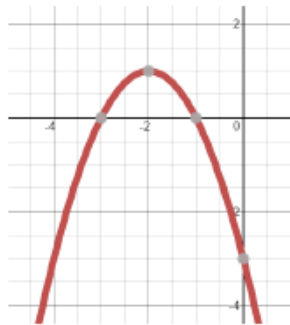
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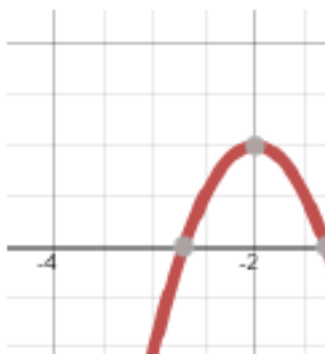




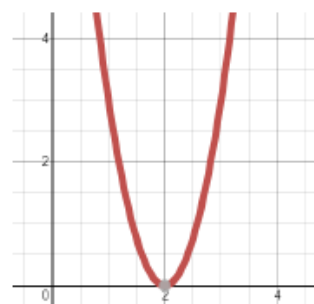


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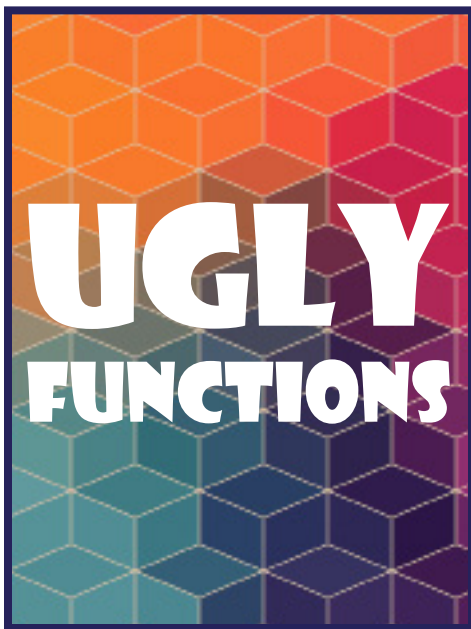
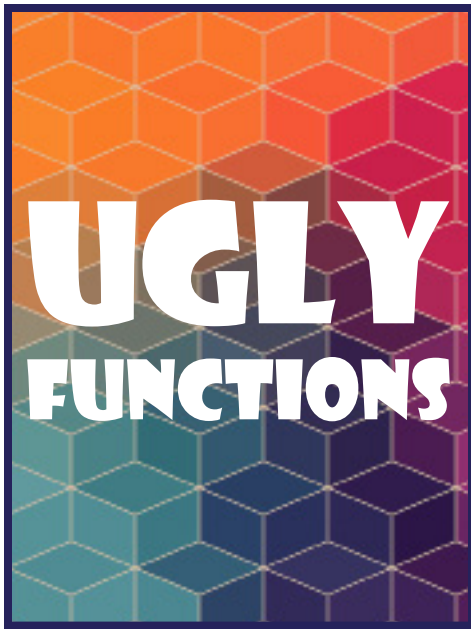


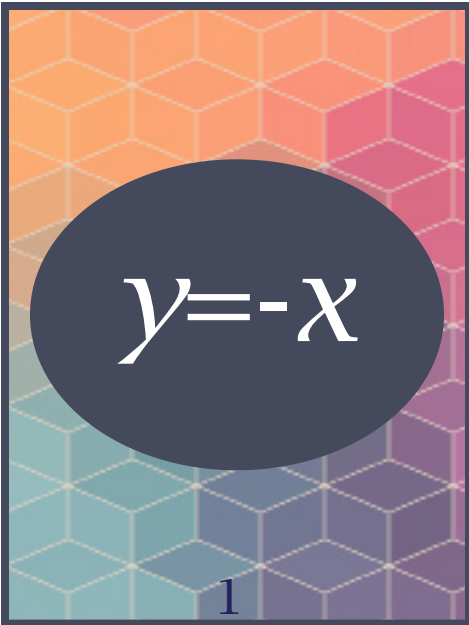
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12

48

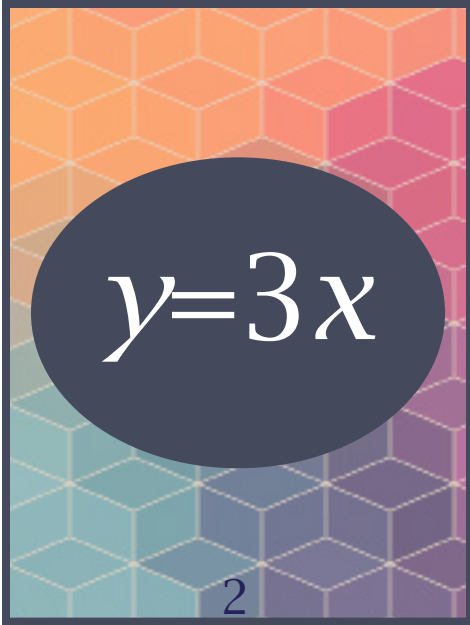




Card 1: A dark blue oval containing the equation  $y = -x$ . The card has a background with a repeating geometric pattern of hexagons in shades of orange, pink, and teal.

$$y = -x$$

1



Card 2: A dark blue oval containing the equation  $y = 3x$ . The card has a background with a repeating geometric pattern of hexagons in shades of orange, pink, and teal.

$$y = 3x$$

2



Card 3: A dark blue oval containing the equation  $y = -0.25x$ . The card has a background with a repeating geometric pattern of hexagons in shades of orange, pink, and teal.

$$y = -0.25x$$

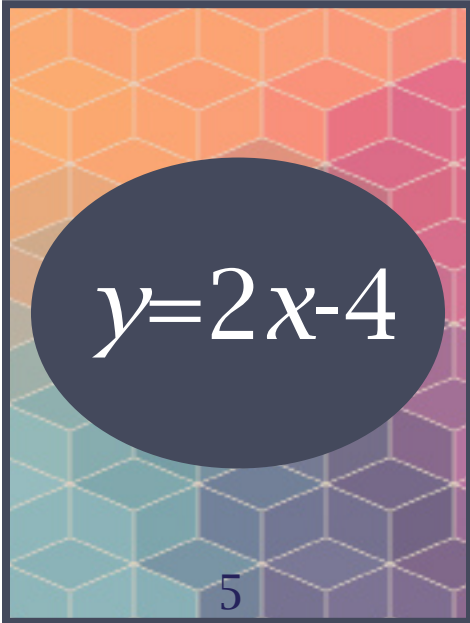
3



Card 4: A dark blue oval containing the equation  $y = 2x + 1$ . The card has a background with a repeating geometric pattern of hexagons in shades of orange, pink, and teal.

$$y = 2x + 1$$

4



Card 5: A dark blue oval containing the equation  $y = 2x - 4$ . The card has a background with a repeating geometric pattern of hexagons in shades of orange, pink, and teal.

$$y = 2x - 4$$

5



Card 6: A dark blue oval containing the equation  $y = -3x - 1$ . The card has a background with a repeating geometric pattern of hexagons in shades of orange, pink, and teal.

$$y = -3x - 1$$

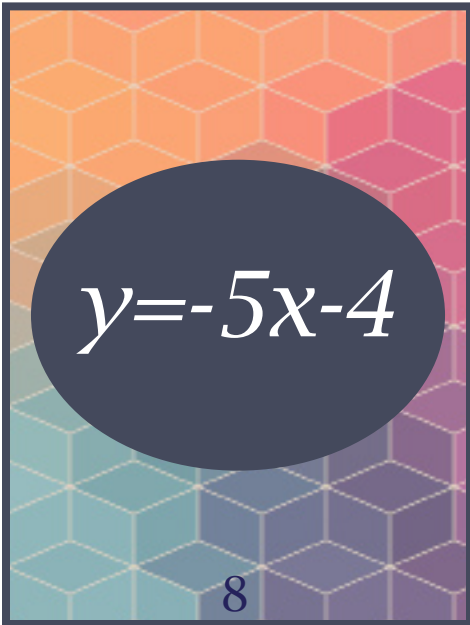
6



Card 7: A dark blue oval containing the equation  $y = -5x + 3$ . The card has a background with a repeating geometric pattern of hexagons in shades of orange, pink, and teal.

$$y = -5x + 3$$

7



Card 8: A dark blue oval containing the equation  $y = -5x - 4$ . The card has a background with a repeating geometric pattern of hexagons in shades of orange, pink, and teal.

$$y = -5x - 4$$

8

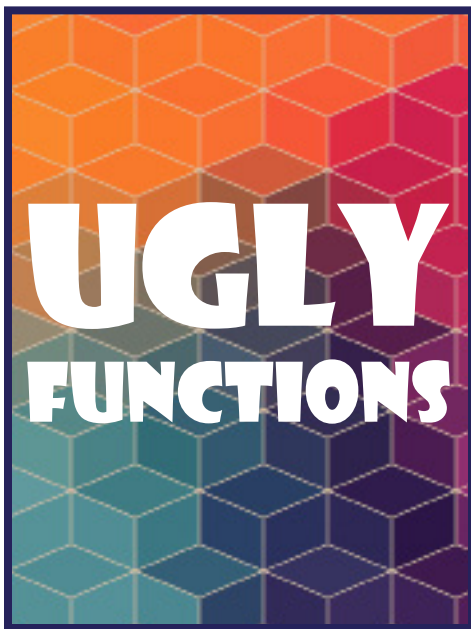
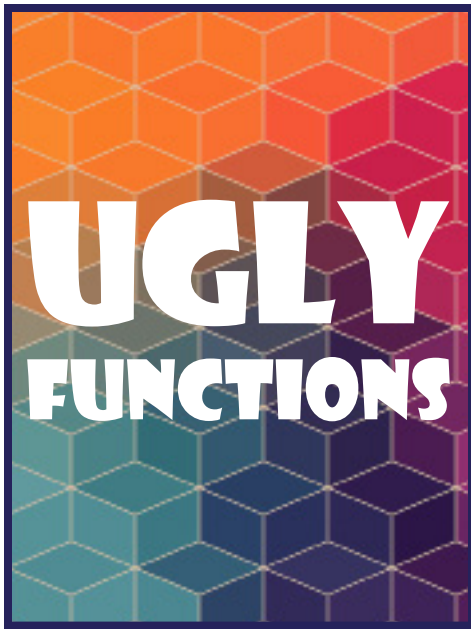


Card 9: A dark blue oval containing the equation  $y = 0.25x + 3$ . The card has a background with a repeating geometric pattern of hexagons in shades of orange, pink, and teal.

$$y = 0.25x + 3$$

9





$$y=0.5x$$

10

$$y=-0.5x+2$$

11

$$y=0.5x-2$$

12

Marcus makes \$3 when he sells a gallon of lemonade. Find a function that gives his revenue based on the number of gallons of lemonade he sells.

13

Janine pays a quarter each time she plays pinball. Find a function that shows how much money she no longer has based on the number of pinball games she plays.

14

Aaron gives his sister \$1 each day for doing the dishes for him. Find a function that shows how much his net worth has changed based on the number of days Aaron's sister does the dishes for him.

15

At a garage sale, Joey sells cookies for 50 cents each. Find a function for his revenue, in dollars, based on the number of cookies he sells.

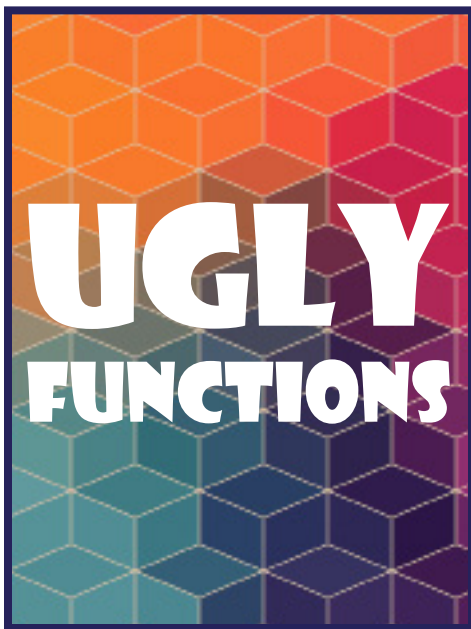
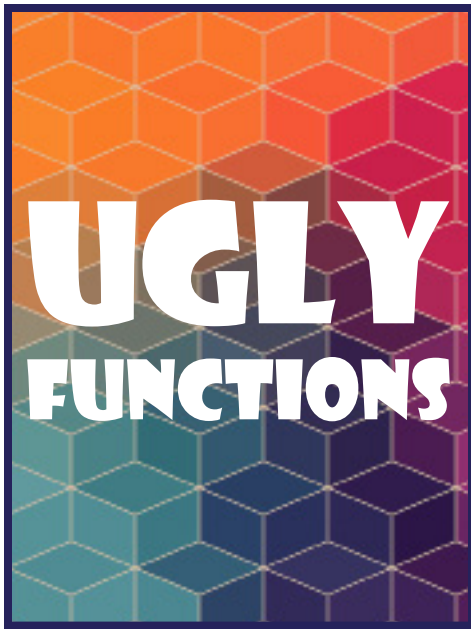
16

Serena has \$2 to spend on arcade games that cost 50 cents each to play. Find a function that models how much money (in dollars) she has based on the number of arcade games she plays.

17

Josie has \$3. Each month she pays \$5 to stream her music. Find a function that shows how much she has or owes based on the number of months she streams music.

18





Amy currently has \$1. She earns \$2 for each chore she completes. Find a function that shows how much money Amy has, based on the number of chores she completes.

19

Jose is already in the hole financially. He owes his dad \$4. He asked his dad to buy pies for \$5 each for a picnic. Write an equation that shows how much money Jose has or owes.

20

Justine sells brownies for \$0.50 each. The ingredients are donated but she buys paper plates and napkins for \$2. Write an equation to show how much she makes selling brownies.

21

Gabby currently has \$3 in her piggy bank. Every day, she receives an allowance of 25 cents that she puts into the bank. Find a function for the amount in her piggy bank.

22

Jared sells glasses of orange juice for \$2 each. He pays \$4 for a booth. Find a function that shows his profit based on the number of glasses of orange juice he sells.

23

Taylor owes her mom \$1. She wants to buy \$3 novelty hats for each of her friends. Write an equation that shows how much money she will have or owe after buying the hats.

24

$x$	$y$
1	3
2	5
3	7
4	9
5	11

25

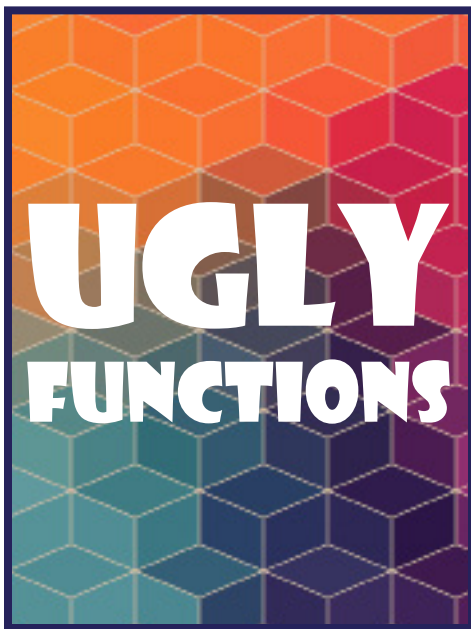
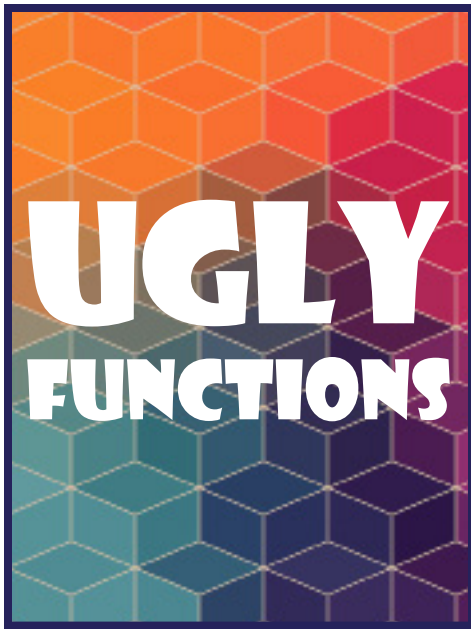
$x$	$y$
-24	5
-20	4
-16	3
-8	2
-4	1

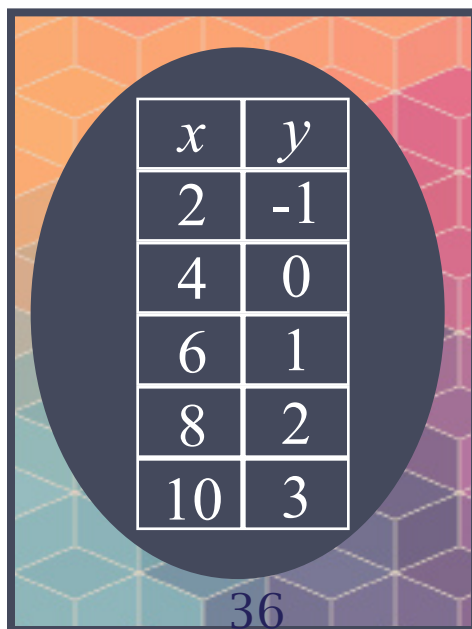
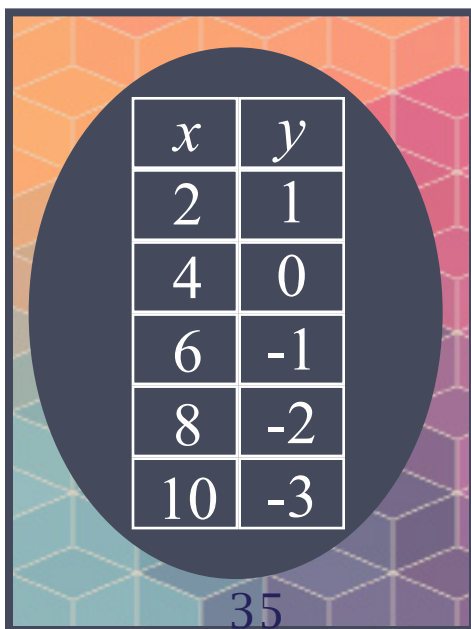
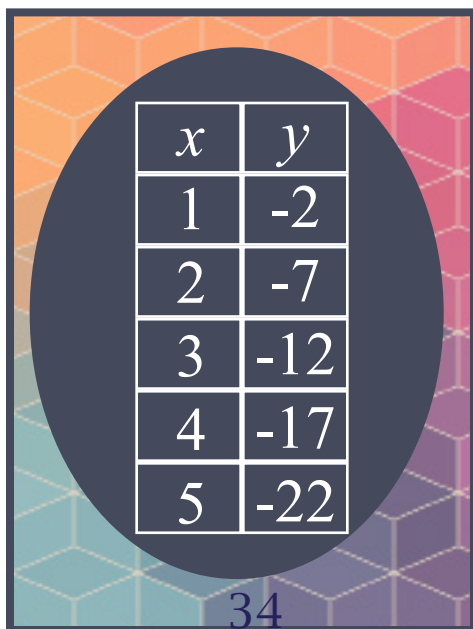
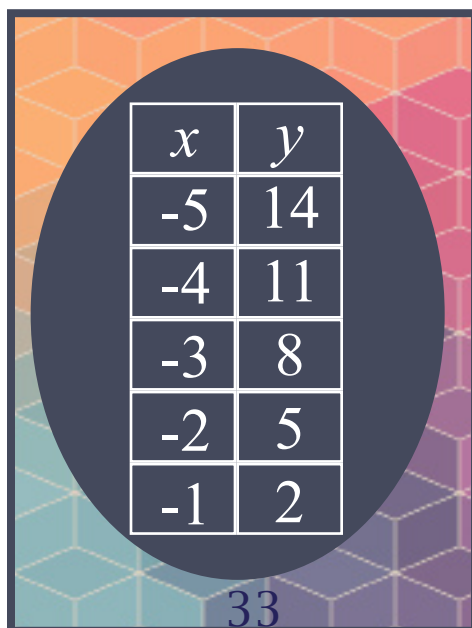
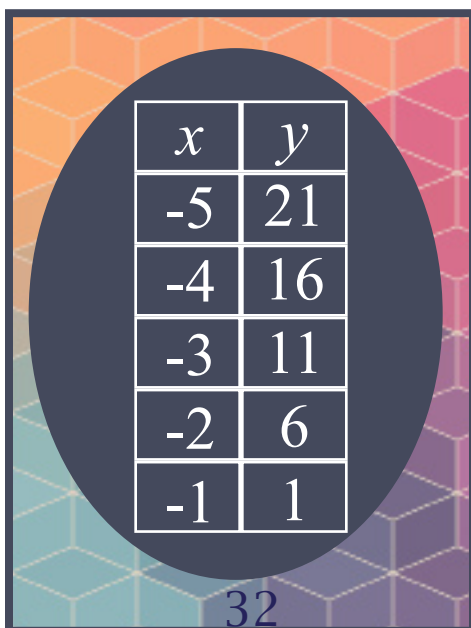
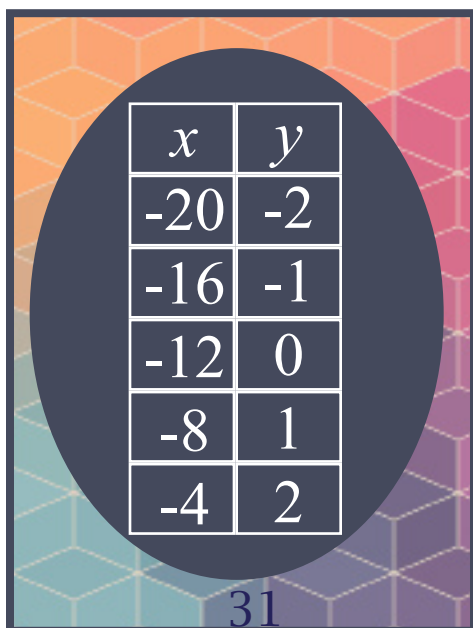
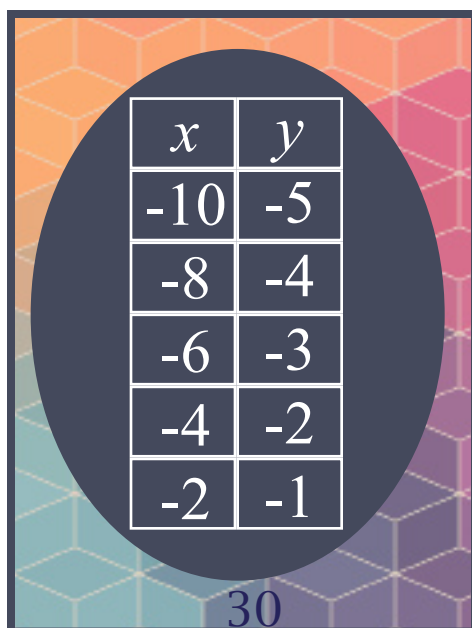
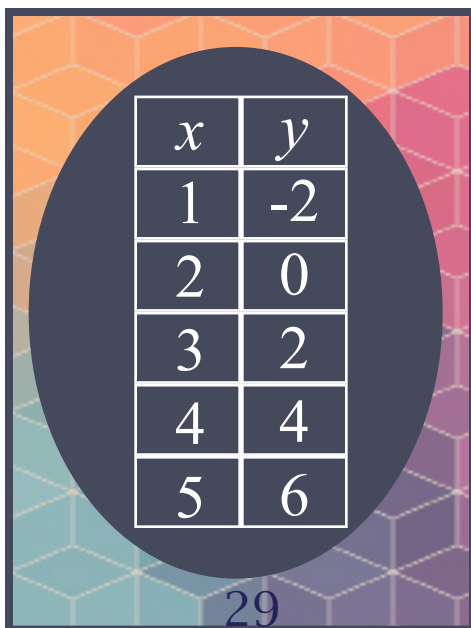
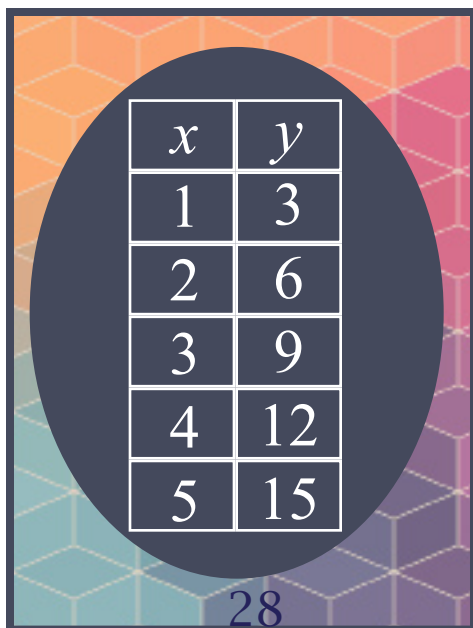
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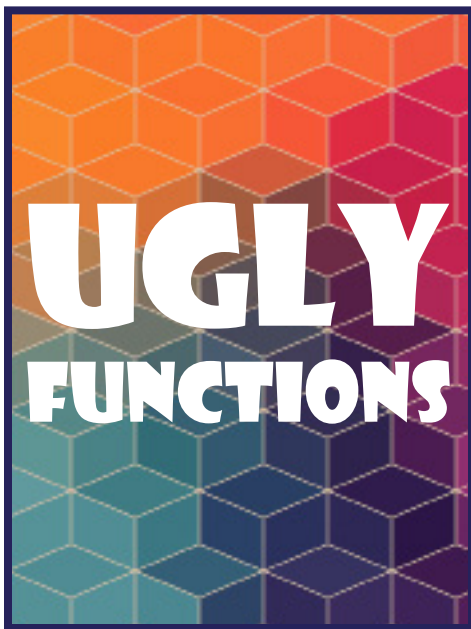
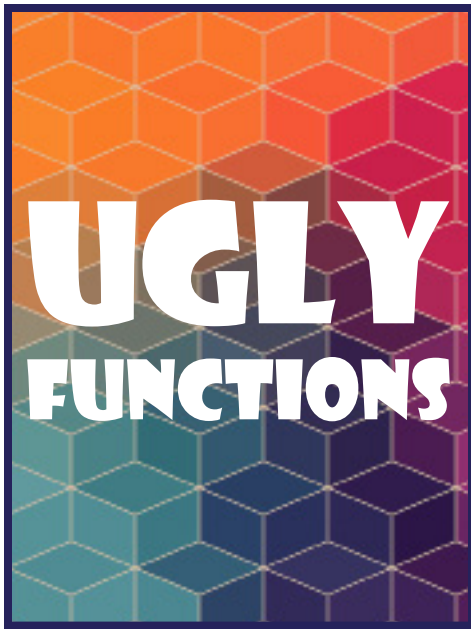
$x$	$y$
1	-1
2	-2
3	-3
4	-4
5	-5

27

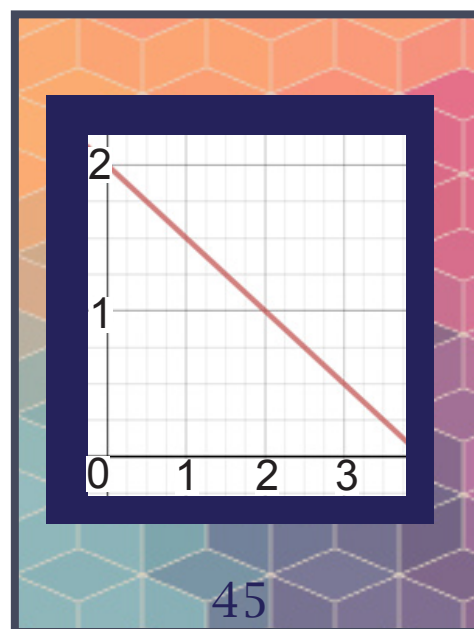
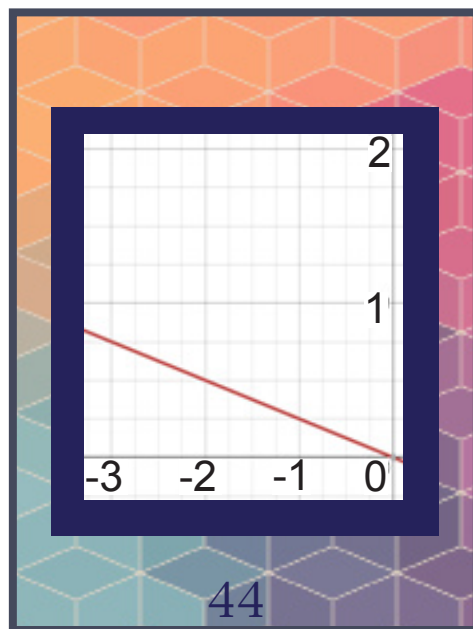
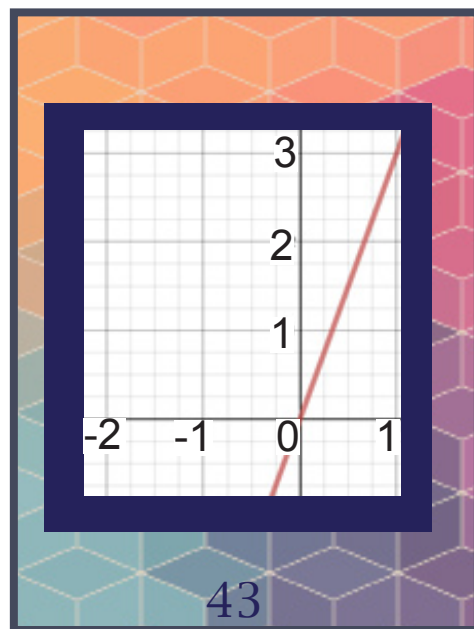
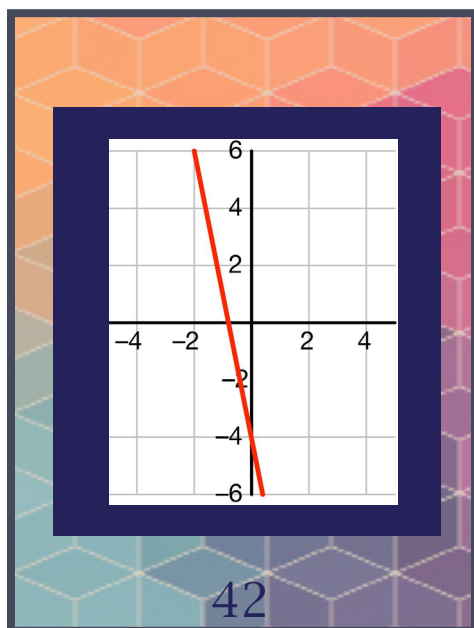
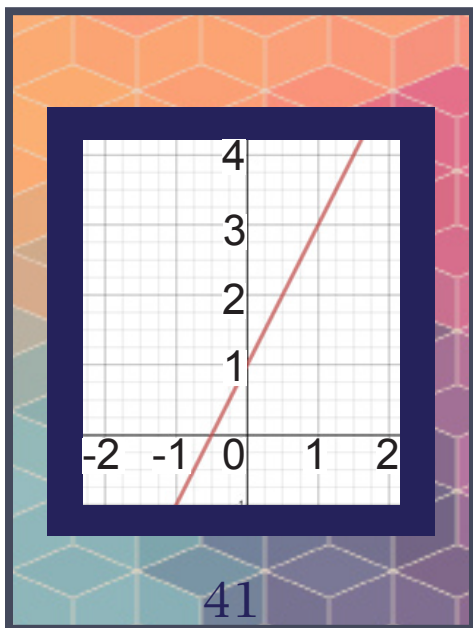
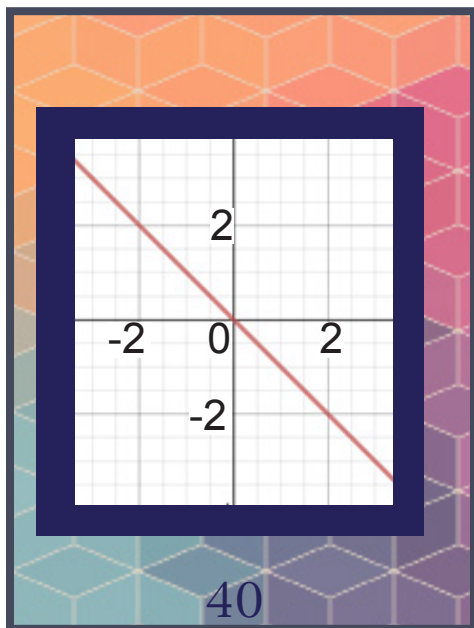
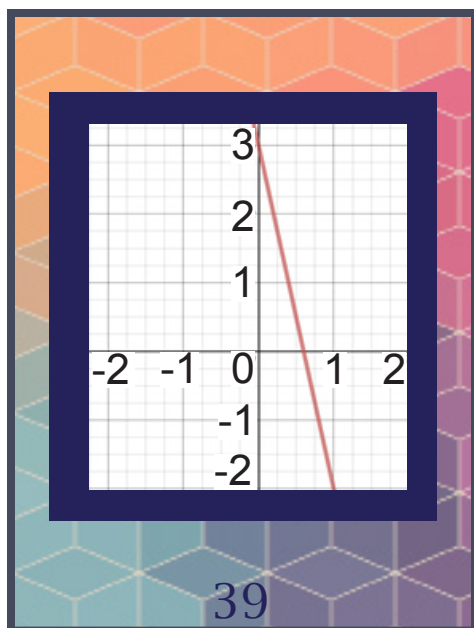
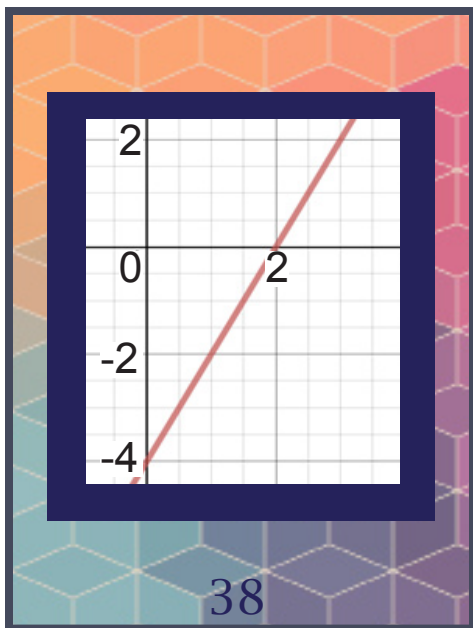
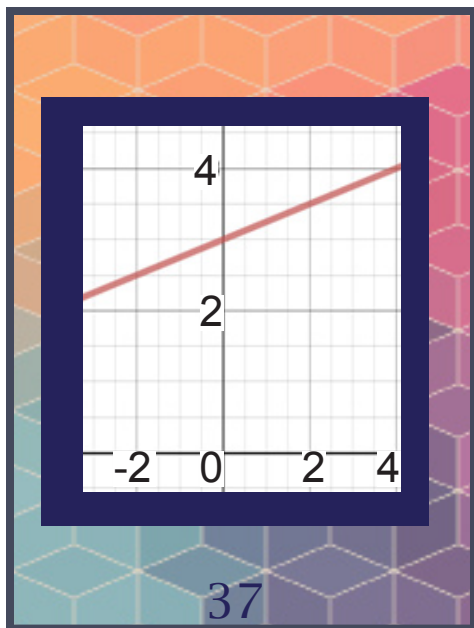




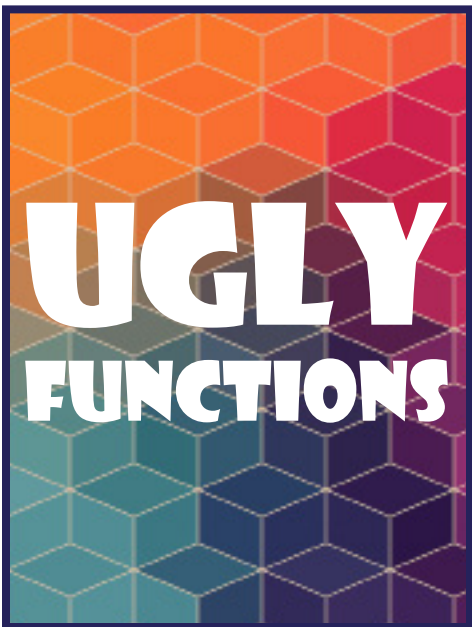
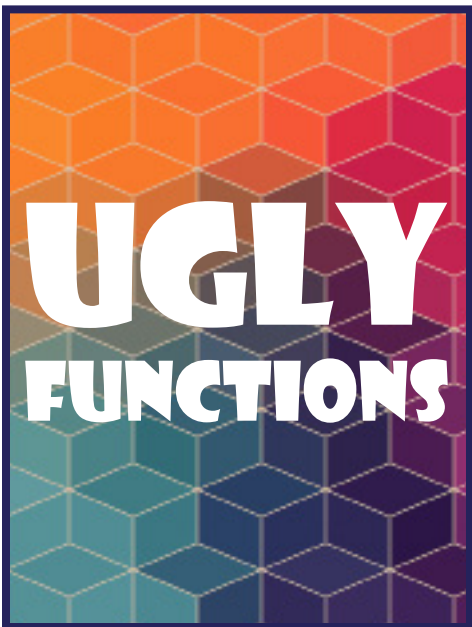
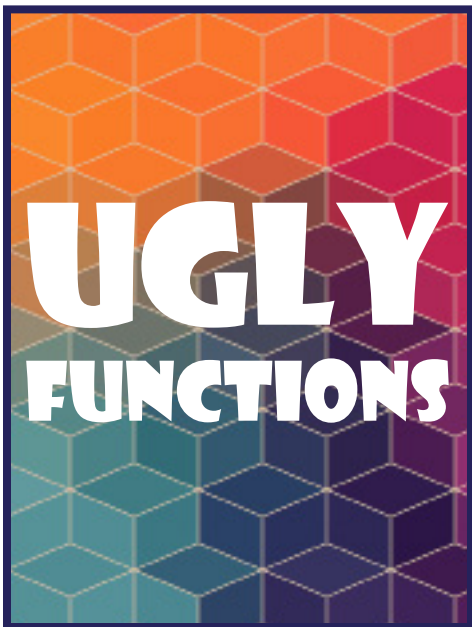
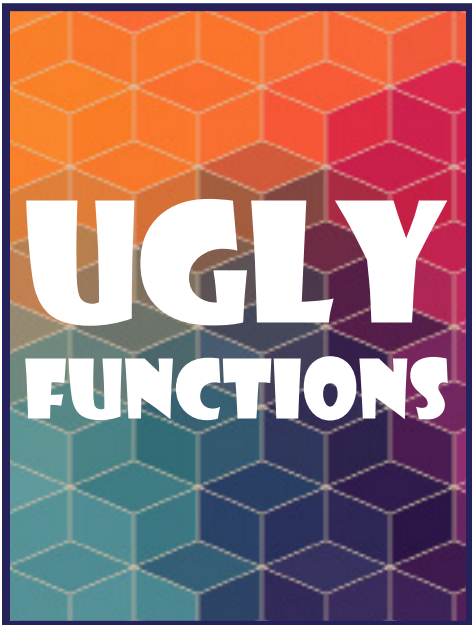


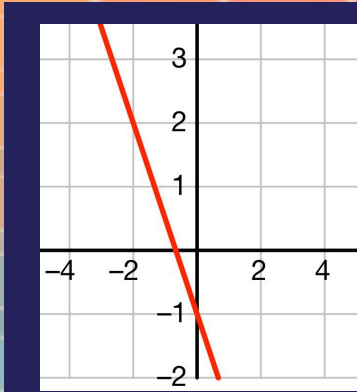




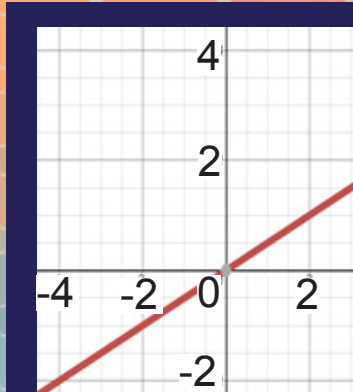




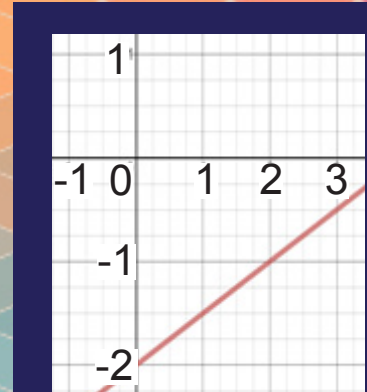




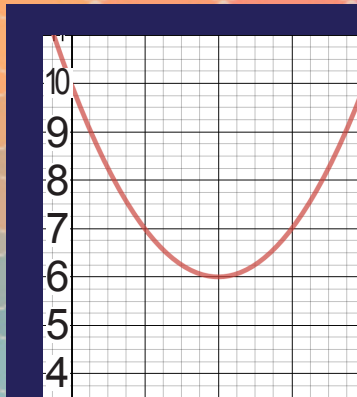
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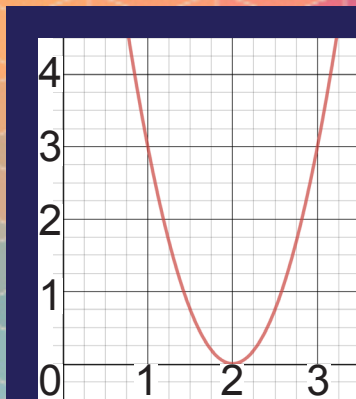
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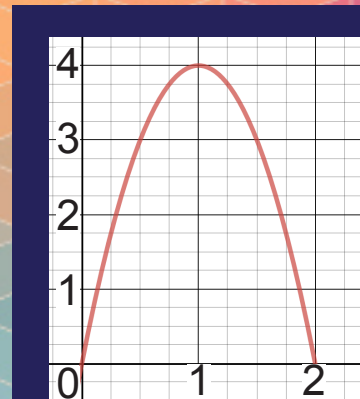
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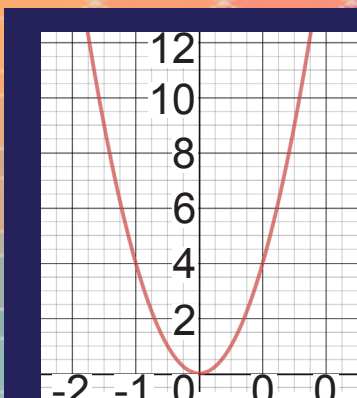
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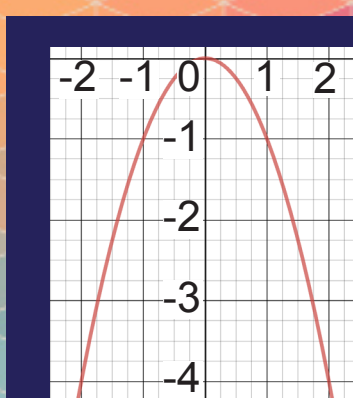
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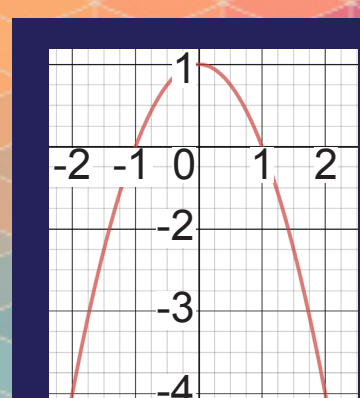
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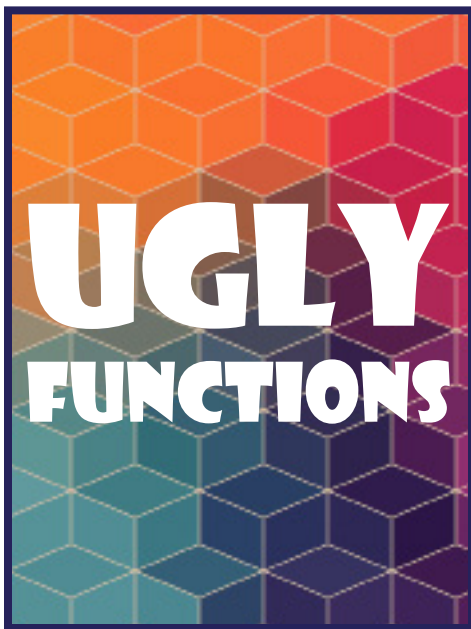
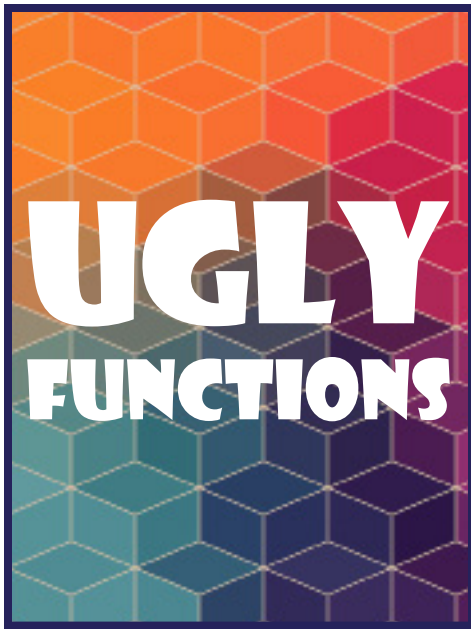
52



53



54





$$y=4x^2$$

55

$$y=-4(x-1)^2+4$$

56

$$y=-x^2$$

57

$$y=x^2+2$$

58

$$y=-2(x+2)^2+1$$

59

$$y=(x-2)^2+6$$

60

$$y=x^2-4$$

61

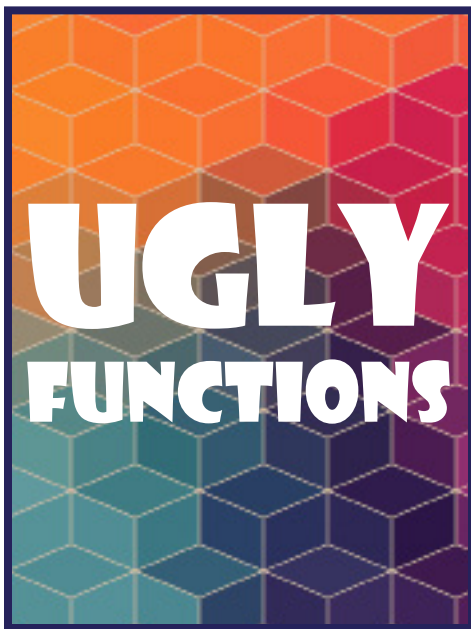
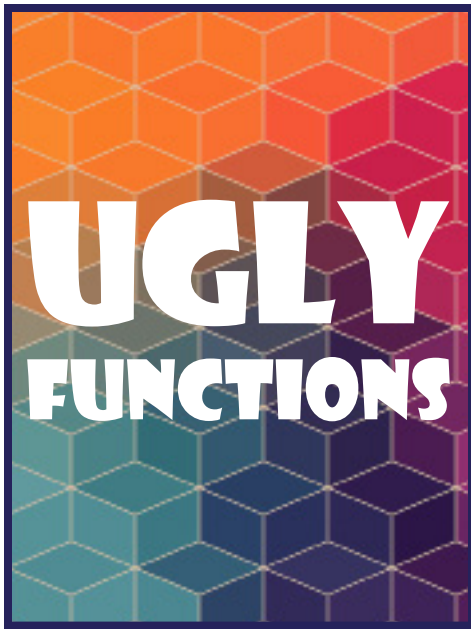
$$y=x^2-1$$

62

$$y=-x^2+1$$

63





$$y=-(x+2)^2+1$$

64

$$y=-(x+2)^2+2$$

65

$$y=3(x-2)^2$$

66

Contains the  
points (1, 4) and  
(0, 0)

67

Contains the  
points (1, 4) and  
(0, 0)

68

Contains the  
point (-1, -1) and  
has a maximum

69

Contains the  
point (-1, 1) and  
has a maximum

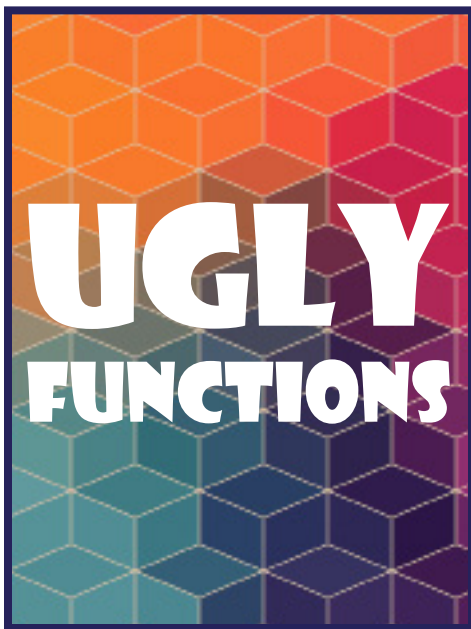
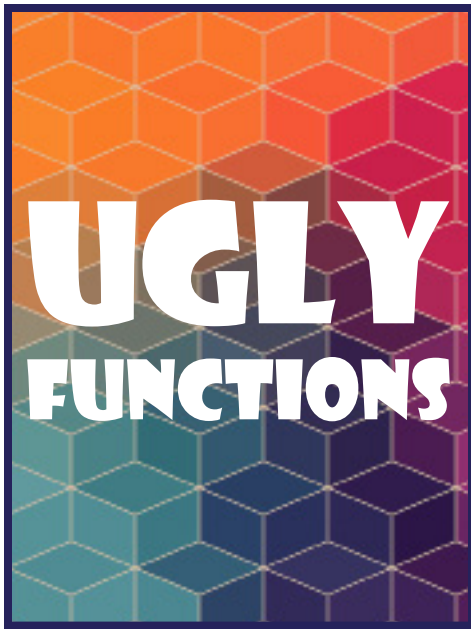
70

Contains the  
point (2, 6) and  
has a minimum

71

Contains the  
point (2, 6) and  
has a minimum

72





Contains the  
point  $(2, 0)$  and  
has a minimum

73

Contains the  
point  $(2, 0)$  and  
has a minimum

74

Has a vertex of  
 $(-2, 1)$  and a  
maximum

75

Has a vertex of  
 $(-2, 1)$  and a  
maximum

76

Contains the  
points  $(-1, 0)$   
and  $(1, 0)$

77

Contains the  
points  $(-1, 0)$   
and  $(1, 0)$

78

$x$	$y$
-2	-3
-1	0
0	1
1	0
2	-3

79

$x$	$y$
-2	3
-1	0
0	-1
1	0
2	3

80

$x$	$y$
-2	48
-1	27
0	12
1	3
2	0

81



