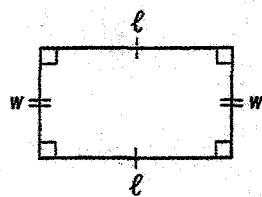


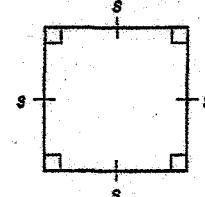
## 6 Perimeter and Area of Squares and Rectangles

Perimeter is the distance around a geometric figure. Perimeter is measured in linear units.

- To find the perimeter of a rectangle, multiply two times the sum of the length and width, or  $2(l + w)$ .
- To find the perimeter of a square, multiply four times the length of a side, or  $4s$ .



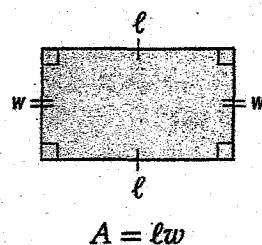
$$P = 2(l + w) \text{ or } 2l + 2w$$



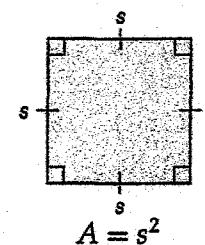
$$P = 4s$$

Area is the number of square units needed to cover a surface. Area is measured in square units.

- To find the area of a rectangle, multiply the length times the width, or  $l \cdot w$ .
- To find the area of a square, find the square of the length of a side, or  $s^2$ .

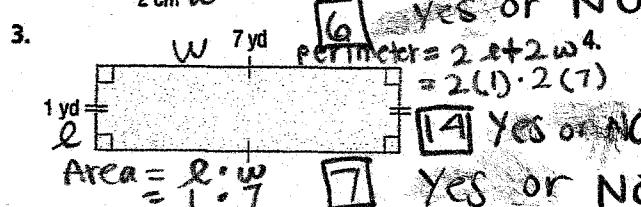
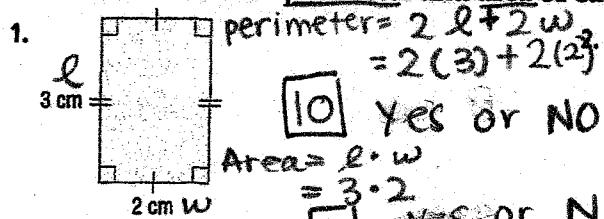


$$A = lw$$

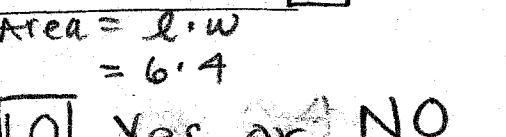
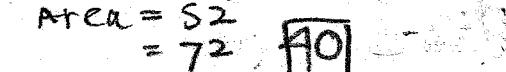
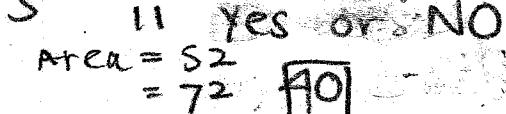
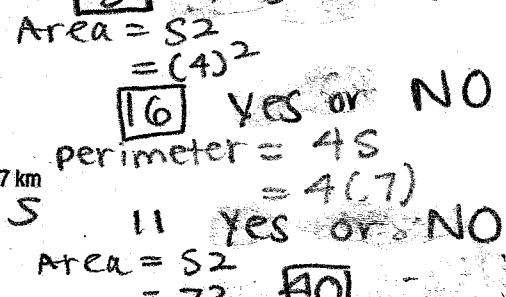
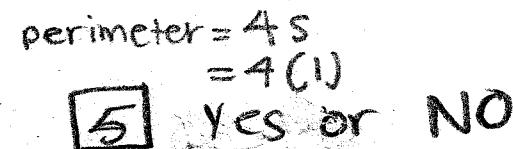
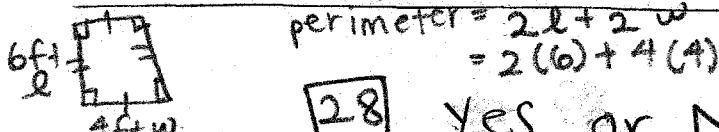


$$A = s^2$$

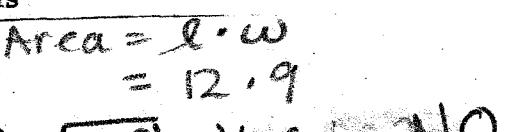
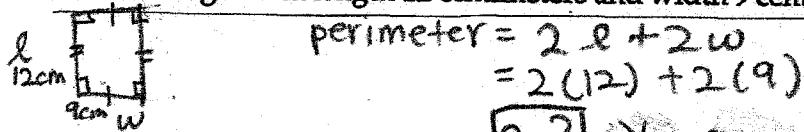
**Exercises** Find the perimeter and area of each figure.



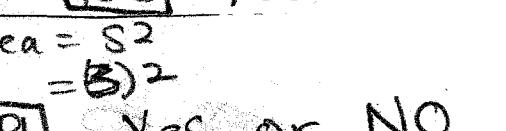
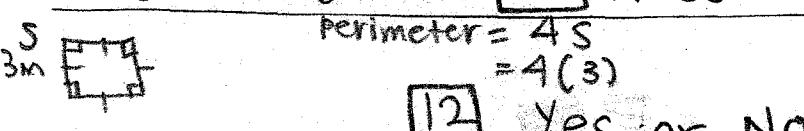
5. a rectangle with length 6 feet and width 4 feet



6. a rectangle with length 12 centimeters and width 9 centimeters



7. a square with length 3 meters



8. a square with length 15 inches

