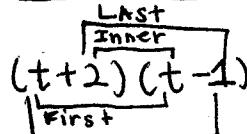


# 7-7 Skills Practice

## Special Products

Remember to multiply

First Inner Outer Last



Find each product.

1.  $(n + 3)^2$

$$n^2 + 3n + 9$$

Yes or NO

2.  $(x + 4)(x + 4)$

$$x^2 + 4x + 8$$

Yes or NO

3.  $(y - 7)^2$

$$y^2 - 14y + 49$$

Yes or NO

4.  $(t - 3)(t - 3)$

$$t^2 - 6t + 9$$

Yes or NO

5.  $(b + 1)(b - 1)$

$$b^2 - 1$$

Yes or NO

6.  $(a - 5)(a + 5)$

$$a^2 - 25$$

Yes or NO

7.  $(p - 4)^2$

$$(p-4)(p-4)$$

$$p^2 - 8p + 16$$

Yes or NO

8.  $(z + 3)(z - 3)$

$$z^2 - 9$$

Yes or NO

9.  $(l + 2)(l + 2)$

$$l^2 + 2l + 2$$

Yes or NO

10.  $(r - 1)(r - 1)$

$$r^2 - r + 1$$

Yes or NO

11.  $(3g + 2)(3g - 2)$

$$6g^2 - 4$$

Yes or NO

12.  $(2m - 3)(2m + 3)$

$$4m^2 - 9$$

Yes or NO

13.  $(6 + u)^2$

$$(6+u)(6+u)$$

$$36+u^2$$

Yes or NO

14.  $(r + s)^2$

$$r + 2sr + s$$

Yes or NO

15.  $(3q + 1)(3q - 1)$

$$9q^2 - 1$$

Yes or NO

16.  $(c - e)^2$

$$c^2 + e^2$$

Yes or NO

17.  $(2k - 2)^2$

$$4K^2 - 8K - 4$$

Yes or NO

18.  $(w + 3h)^2$

$$w^2 + 6wh + 9h^2$$

Yes or NO

19.  $(3p - 4)(3p + 4)$

$$9p^2 - 24p - 16$$

Yes or NO

20.  $(t + 2u)^2$

$$t^2 + 2tu + 2u^2$$

Yes or NO

21.  $(x - 4y)^2$

$$x^2 - 16xy + 16y^2$$

Yes or NO

22.  $(3b + 7)(3b - 7)$

$$9b^2 - 49$$

Yes or NO

23.  $(3y - 3g)(3y + 3g)$

$$9y^2 - 9g^2$$

Yes or NO

24.  $(s^2 + r^2)^2$

$$s^4 + 2s^2r^2 + r^4$$

Yes or NO

25.  $(2k + m^2)^2$

$$4K^2 + 4km^2 + m^4$$

Yes or NO

26.  $(3u^2 - n)^2$

$$9u^4 - 6u^2n + n^2$$

Yes or NO

27. GEOMETRY The length of a rectangle is the sum of two whole numbers. The width of the rectangle is the difference of the same two whole numbers. Using these facts, write a verbal expression for the area of the rectangle.

$$x^2 - y^2$$

Yes or NO

$$l = \underline{x} + \underline{y}$$

$$w = \underline{x} - \underline{y}$$

$$A = (x+y)(x-y)$$