

7-7**Skills Practice**Remember to multiply
First Inner Outer Last**Special Products**

Find each product.

1. $(n + 3)^2$

$n^2 + 3n + 9$

Yes or NO

$$\begin{array}{c} \text{Last} \\ \text{Inner} \\ (t+2)(t-1) \\ \text{First} \end{array}$$

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. $(\ell + 2)(\ell + 2)$

$\ell^2 + 2\ell + 2$

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. $(6 + u)^2$ $(6 + u)(6 + u)$

$36 + 12u + u^2$

Yes or NO

14. $(r + s)^2$

$r^2 + 2sr + s^2$

Yes or NO

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

$9q^2 - 1$

Yes or NO

16. $(c - e)^2$

$c^2 - 2ce + e^2$

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

$9p^2 - 16$

Yes or NO

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

$t^2 + 4tu + 4u^2$

Yes or NO

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

$x^2 - 8xy + 16y^2$

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

$\ell = x + y$

$w = x - y$

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