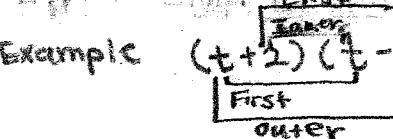


7-7**Skills Practice****Special Products**

Remember to Multiply
First Inner Outer Last



$$(t+2)(t-1) = t^2 - 2t - t - 2$$

$$= t^2 - 3t - 2$$

Find each product.

1. $(n + 3)^2$ $(n+3)(n+3)$

$n^2 + 6n + 9$

OR $n^2 + 3n + 6$

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

$x^2 + 8x + 16$

OR $x^2 + 4x + 8$

3. $(y - 7)^2$ $(y-7)(y-7)$

$y^2 - 14y + 49$

OR $y^2 - 14y + 49$

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

$t^2 - 3t + 9$

OR $t^2 - 6t + 9$

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

$b^2 + 2b - 1$

OR $b^2 - 1$

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

$a^2 - 25$

OR $a^2 - 10a - 25$

7. $(p - 4)^2$ $(p-4)(p-4)$

$p^2 - 4p + 16$

OR $p^2 - 8p + 16$

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

$z^2 - 6z - 9$

OR $z^2 - 9$

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

$\ell^2 + 4\ell + 4$

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

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

$r^2 - 2r - 1$

OR $r^2 - 1$

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

$9g^2 - 4$

OR $6g^2 - 6g - 4$

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

$4m^2 - 9$

OR $4m^2 - 10m - 9$

13. $(6 + u)^2$ $(6+u)(6+u)$

$12 + 3u + u^2$

OR $u^2 + 12u + 36$

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

$r^2 + s^2$

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

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

$9q^2 - 1$

OR $9q^2 - 1$

16. $(c - e)^2$ $(c-e)(c-e)$

$c^2 - e^2$

OR $c^2 - 2ec + e^2$

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

$4k^2 - 8k + 4$

OR $4k^2 + 4$

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

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

OR $w^2 + 3wh + 6h^2$

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

$9p^2 - 16$

OR $6p^2 - 16$

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

$t^2 + 4u^2$

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

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

$x^2 - 4xy - 8y^2$

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

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

$9b^2 - 49$

OR $9b^2 - 42b - 49$

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

$9y^2 - 9g^2$

OR $6y^2 - 6g^2$

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

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

OR $s^4 + r^4$

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

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

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

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

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

OR $9u^4 + n^2$

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.

$x^2 - y^2$

OR $x^2 - xy - y^2$

$$l = \frac{x}{2} + \frac{y}{2}$$

$$w = \frac{x}{2} - \frac{y}{2}$$