

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

Find each product.

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

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

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

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

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

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

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

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

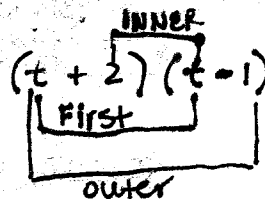
17. $(2k - 2)^2$ $(2k-2)(2k-2)$

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

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

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

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

Remember to multiply
First $\rightarrow$ Inner $\rightarrow$ Outer $\rightarrow$ Last

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

$$l = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$w = \underline{\hspace{1cm}} - \underline{\hspace{1cm}}$$

$$A =$$