

# Multiplying Factors (G)

Find the product of each pair of factors.

1.  $(x + 2)(x + 6)$

11.  $(x + 3)(x - 1)$

2.  $(x - 3)(x - 9)$

12.  $(x - 4)(x - 8)$

3.  $(x + 4)(x + 8)$

13.  $(x + 1)(x - 9)$

4.  $(x - 1)(x + 4)$

14.  $(x + 9)(x - 1)$

5.  $(x + 6)(x + 5)$

15.  $(x - 4)(x - 3)$

6.  $(x + 8)(x + 1)$

16.  $(x + 5)(x - 2)$

7.  $(x + 2)(x - 5)$

17.  $(x - 8)(x + 4)$

8.  $(x - 7)(x + 6)$

18.  $(x - 5)(x + 4)$

9.  $(x - 5)(x - 4)$

19.  $(x - 8)(x - 3)$

10.  $(x - 6)(x - 2)$

20.  $(x + 8)(x - 6)$

# Multiplying Factors (G) Answers

Find the product of each pair of factors.

1.  $(x + 2)(x + 6)$   
 $x^2 + 8x + 12$

2.  $(x - 3)(x - 9)$   
 $x^2 - 12x + 27$

3.  $(x + 4)(x + 8)$   
 $x^2 + 12x + 32$

4.  $(x - 1)(x + 4)$   
 $x^2 + 3x - 4$

5.  $(x + 6)(x + 5)$   
 $x^2 + 11x + 30$

6.  $(x + 8)(x + 1)$   
 $x^2 + 9x + 8$

7.  $(x + 2)(x - 5)$   
 $x^2 - 3x - 10$

8.  $(x - 7)(x + 6)$   
 $x^2 - x - 42$

9.  $(x - 5)(x - 4)$   
 $x^2 - 9x + 20$

10.  $(x - 6)(x - 2)$   
 $x^2 - 8x + 12$

11.  $(x + 3)(x - 1)$   
 $x^2 + 2x - 3$

12.  $(x - 4)(x - 8)$   
 $x^2 - 12x + 32$

13.  $(x + 1)(x - 9)$   
 $x^2 - 8x - 9$

14.  $(x + 9)(x - 1)$   
 $x^2 + 8x - 9$

15.  $(x - 4)(x - 3)$   
 $x^2 - 7x + 12$

16.  $(x + 5)(x - 2)$   
 $x^2 + 3x - 10$

17.  $(x - 8)(x + 4)$   
 $x^2 - 4x - 32$

18.  $(x - 5)(x + 4)$   
 $x^2 - x - 20$

19.  $(x - 8)(x - 3)$   
 $x^2 - 11x + 24$

20.  $(x + 8)(x - 6)$   
 $x^2 + 2x - 48$