

## Multiplying Factors (D)

Find the product of each pair of factors.

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

11.  $(x + 5)(x + 9)$

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

12.  $(-x + 5)(-x - 9)$

3.  $(x - 1)(-x - 8)$

13.  $(x - 7)(-2x - 8)$

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

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

5.  $(-2x + 1)(x - 6)$

15.  $(-x - 1)(2x - 8)$

6.  $(-2x - 3)(-2x + 5)$

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

7.  $(x + 6)(x + 3)$

17.  $(x - 6)(2x + 9)$

8.  $(-2x - 6)(x - 3)$

18.  $(-x - 1)(x - 3)$

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

19.  $(2x + 6)(x - 5)$

10.  $(2x + 1)(x - 6)$

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

# Multiplying Factors (D) Answers

Find the product of each pair of factors.

1.  $(x - 2)(-x + 7)$   
 $-x^2 + 9x - 14$

2.  $(-x - 9)(x + 9)$   
 $-x^2 - 18x - 81$

3.  $(x - 1)(-x - 8)$   
 $-x^2 - 7x + 8$

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

5.  $(-2x + 1)(x - 6)$   
 $-2x^2 + 13x - 6$

6.  $(-2x - 3)(-2x + 5)$   
 $4x^2 - 4x - 15$

7.  $(x + 6)(x + 3)$   
 $x^2 + 9x + 18$

8.  $(-2x - 6)(x - 3)$   
 $-2x^2 + 18$

9.  $(x - 7)(-2x - 5)$   
 $-2x^2 + 9x + 35$

10.  $(2x + 1)(x - 6)$   
 $2x^2 - 11x - 6$

11.  $(x + 5)(x + 9)$   
 $x^2 + 14x + 45$

12.  $(-x + 5)(-x - 9)$   
 $x^2 + 4x - 45$

13.  $(x - 7)(-2x - 8)$   
 $-2x^2 + 6x + 56$

14.  $(x - 2)(-x - 6)$   
 $-x^2 - 4x + 12$

15.  $(-x - 1)(2x - 8)$   
 $-2x^2 + 6x + 8$

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

17.  $(x - 6)(2x + 9)$   
 $2x^2 - 3x - 54$

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

19.  $(2x + 6)(x - 5)$   
 $2x^2 - 4x - 30$

20.  $(x - 9)(-2x - 2)$   
 $-2x^2 + 16x + 18$