

## Multiplying Factors (J)

Find the product of each pair of factors.

1.  $(-2x - 6)(5x - 8)$

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

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

12.  $(-6x - 5)(-x + 7)$

3.  $(5x + 8)(-6x + 4)$

13.  $(-9x + 7)(-4x + 7)$

4.  $(-4x + 6)(-4x - 4)$

14.  $(-2x - 3)(-6x - 6)$

5.  $(-3x + 9)(-x - 8)$

15.  $(5x + 1)(-4x - 2)$

6.  $(5x + 2)(-3x + 7)$

16.  $(x + 9)(2x + 4)$

7.  $(4x - 8)(4x + 6)$

17.  $(x + 2)(-6x - 8)$

8.  $(-4x - 8)(-9x + 2)$

18.  $(7x - 1)(6x + 8)$

9.  $(-7x + 1)(-6x + 4)$

19.  $(6x + 2)(9x + 3)$

10.  $(6x + 1)(-6x + 3)$

20.  $(6x - 7)(x - 8)$

# Multiplying Factors (J) Answers

Find the product of each pair of factors.

1.  $(-2x - 6)(5x - 8)$   
 $-10x^2 - 14x + 48$

2.  $(-4x - 2)(-4x - 4)$   
 $16x^2 + 24x + 8$

3.  $(5x + 8)(-6x + 4)$   
 $-30x^2 - 28x + 32$

4.  $(-4x + 6)(-4x - 4)$   
 $16x^2 - 8x - 24$

5.  $(-3x + 9)(-x - 8)$   
 $3x^2 + 15x - 72$

6.  $(5x + 2)(-3x + 7)$   
 $-15x^2 + 29x + 14$

7.  $(4x - 8)(4x + 6)$   
 $16x^2 - 8x - 48$

8.  $(-4x - 8)(-9x + 2)$   
 $36x^2 + 64x - 16$

9.  $(-7x + 1)(-6x + 4)$   
 $42x^2 - 34x + 4$

10.  $(6x + 1)(-6x + 3)$   
 $-36x^2 + 12x + 3$

11.  $(x + 1)(-9x - 9)$   
 $-9x^2 - 18x - 9$

12.  $(-6x - 5)(-x + 7)$   
 $6x^2 - 37x - 35$

13.  $(-9x + 7)(-4x + 7)$   
 $36x^2 - 91x + 49$

14.  $(-2x - 3)(-6x - 6)$   
 $12x^2 + 30x + 18$

15.  $(5x + 1)(-4x - 2)$   
 $-20x^2 - 14x - 2$

16.  $(x + 9)(2x + 4)$   
 $2x^2 + 22x + 36$

17.  $(x + 2)(-6x - 8)$   
 $-6x^2 - 20x - 16$

18.  $(7x - 1)(6x + 8)$   
 $42x^2 + 50x - 8$

19.  $(6x + 2)(9x + 3)$   
 $54x^2 + 36x + 6$

20.  $(6x - 7)(x - 8)$   
 $6x^2 - 55x + 56$