

# Multiplying Factors (F)

Find the product of each pair of factors.

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

11.  $(x + 4)(2x + 6)$

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

12.  $(x - 7)(2x + 4)$

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

13.  $(2x - 1)(2x - 3)$

4.  $(x + 1)(2x + 8)$

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

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

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

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

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

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

17.  $(2x - 3)(2x + 4)$

8.  $(2x + 4)(2x - 1)$

18.  $(2x - 5)(2x - 6)$

9.  $(x - 5)(2x - 8)$

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

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

20.  $(2x + 7)(2x + 9)$

# Multiplying Factors (F) Answers

Find the product of each pair of factors.

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

2.  $(2x - 9)(2x + 6)$   
 $4x^2 - 6x - 54$

3.  $(x - 7)(2x + 3)$   
 $2x^2 - 11x - 21$

4.  $(x + 1)(2x + 8)$   
 $2x^2 + 10x + 8$

5.  $(2x - 5)(2x + 5)$   
 $4x^2 - 25$

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

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

8.  $(2x + 4)(2x - 1)$   
 $4x^2 + 6x - 4$

9.  $(x - 5)(2x - 8)$   
 $2x^2 - 18x + 40$

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

11.  $(x + 4)(2x + 6)$   
 $2x^2 + 14x + 24$

12.  $(x - 7)(2x + 4)$   
 $2x^2 - 10x - 28$

13.  $(2x - 1)(2x - 3)$   
 $4x^2 - 8x + 3$

14.  $(x + 8)(x + 6)$   
 $x^2 + 14x + 48$

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

16.  $(x + 6)(x + 7)$   
 $x^2 + 13x + 42$

17.  $(2x - 3)(2x + 4)$   
 $4x^2 + 2x - 12$

18.  $(2x - 5)(2x - 6)$   
 $4x^2 - 22x + 30$

19.  $(x + 3)(2x + 2)$   
 $2x^2 + 8x + 6$

20.  $(2x + 7)(2x + 9)$   
 $4x^2 + 32x + 63$