

Multiplying Factors (C)

Find the product of each pair of factors.

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

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

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

12. $(-x + 3)(-x - 8)$

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

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

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

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

5. $(x - 4)(-x - 7)$

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

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

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

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

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

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

18. $(-x - 5)(-x - 8)$

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

19. $(x - 5)(-x - 7)$

10. $(-x - 4)(x + 9)$

20. $(-x + 9)(x - 3)$

Multiplying Factors (C) Answers

Find the product of each pair of factors.

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

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

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

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

5. $(x - 4)(-x - 7)$
 $-x^2 - 3x + 28$

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

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

8. $(x + 7)(-x + 4)$
 $-x^2 - 3x + 28$

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

10. $(-x - 4)(x + 9)$
 $-x^2 - 13x - 36$

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

12. $(-x + 3)(-x - 8)$
 $x^2 + 5x - 24$

13. $(-x - 9)(x - 4)$
 $-x^2 - 5x + 36$

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

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

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

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

18. $(-x - 5)(-x - 8)$
 $x^2 + 13x + 40$

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

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