Multiplying Factors (A)

Find the product of each pair of factors.

1. $(-x - 7)(x + 7)$
2. $(-x + 3)(x + 3)$
3. $(x - 7)(x - 5)$
4. $(-x + 1)(-x - 4)$
5. $(x - 1)(-x + 4)$
6. $(-x + 8)(x - 3)$
7. $(x + 9)(x + 3)$
8. $(-x - 1)(-x - 4)$
9. $(-x - 1)(x + 8)$
10. $(-x - 7)(x + 7)$
11. $(x + 4)(x + 8)$
12. $(-x + 4)(x - 5)$
13. $(x + 9)(x - 2)$
14. $(-x - 2)(-x + 7)$
15. $(-x - 2)(-x - 8)$
16. $(x + 1)(x + 1)$
17. $(-x + 1)(x + 4)$
18. $(x + 5)(-x + 8)$
19. $(-x - 7)(-x + 7)$
20. $(-x - 1)(-x + 8)$

Multiplying Factors (A) Answers

Find the product of each pair of factors.

1. $(-x - 7)(x + 7)$
   $-x^2 - 14x - 49$

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

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

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

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

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

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

8. $(-x - 1)(-x - 4)$
   $x^2 + 5x + 4$

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

10. $(-x - 7)(x + 7)$
    $-x^2 - 14x - 49$

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

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

13. $(x + 9)(x - 2)$
    $x^2 + 7x - 18$

14. $(-x - 2)(-x + 7)$
    $x^2 - 5x - 14$

15. $(-x - 2)(-x - 8)$
    $x^2 + 10x + 16$

16. $(x + 1)(x + 1)$
    $x^2 + 2x + 1$

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

18. $(x + 5)(-x + 8)$
    $-x^2 + 3x + 40$

19. $(-x - 7)(-x + 7)$
    $x^2 - 49$

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