Multiplying Factors (B)

Find the product of each pair of factors.

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

Multiplying Factors (B) Answers

Find the product of each pair of factors.

1. $(x - 3)(-x - 7)$
   $-x^2 - 4x + 21$

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

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

4. $(-x - 4)(x + 3)$
   $-x^2 - 7x - 12$

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

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

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

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

9. $(-x - 1)(-x - 9)$
   $x^2 + 10x + 9$

10. $(-x + 6)(x - 4)$
    $-x^2 + 10x - 24$

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

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

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

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

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

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

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

18. $(x - 7)(-x + 8)$
    $-x^2 + 15x - 56$

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

20. $(x + 4)(-x - 3)$
    $-x^2 - 7x - 12$