Multiplying Factors (C)

Find the product of each pair of factors.

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

Multiplying Factors (C) Answers

Find the product of each pair of factors.

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

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

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

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

5. $(x + 2)(x + 4)$
   $x^2 + 6x + 8$

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

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

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

9. $(x + 3)(x - 6)$
   $x^2 - 3x - 18$

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

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

12. $(x + 7)(x + 2)$
    $x^2 + 9x + 14$

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

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

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

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

17. $(x + 6)(x - 1)$
    $x^2 + 5x - 6$

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

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

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