Multiplying Factors (E)

Find the product of each pair of factors.

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

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

3. $(x - 9)(-x - 7)$

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

5. $(-x + 1)(-x - 1)$

6. $(x + 4)(-x + 1)$

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

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

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

10. $(-x + 2)(-x - 4)$

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

12. $(-x + 6)(x + 8)$

13. $(x - 1)(x - 6)$

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

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

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

17. $(x - 9)(x + 5)$

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

19. $(-x + 4)(x - 6)$

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

Multiplying Factors (E) Answers

Find the product of each pair of factors.

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

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

3. $(x - 9)(-x - 7)$
    $-x^2 + 2x + 63$

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

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

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

7. $(x + 8)(-x + 8)$
    $-x^2 + 64$

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

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

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

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

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

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

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

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

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

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

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

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

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

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