

Multiplying Factors (E)

Find the product of each pair of factors.

1. $(-9x + 5)(4x - 1)$

11. $(4x + 7)(4x + 9)$

2. $(4x + 3)(-9x - 7)$

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

3. $(5x - 9)(x - 7)$

13. $(9x - 7)(7x + 4)$

4. $(-6x - 8)(-7x - 4)$

14. $(-7x - 7)(-2x - 7)$

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

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

6. $(-5x - 3)(-9x + 8)$

16. $(-x - 2)(9x - 5)$

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

17. $(8x + 4)(-8x + 7)$

8. $(8x + 8)(2x + 4)$

18. $(7x + 3)(-3x + 4)$

9. $(5x + 4)(5x + 9)$

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

10. $(2x - 1)(7x - 1)$

20. $(3x - 8)(x - 2)$

Multiplying Factors (E) Answers

Find the product of each pair of factors.

1. $(-9x + 5)(4x - 1)$
 $-36x^2 + 29x - 5$

2. $(4x + 3)(-9x - 7)$
 $-36x^2 - 55x - 21$

3. $(5x - 9)(x - 7)$
 $5x^2 - 44x + 63$

4. $(-6x - 8)(-7x - 4)$
 $42x^2 + 80x + 32$

5. $(5x + 2)(6x + 3)$
 $30x^2 + 27x + 6$

6. $(-5x - 3)(-9x + 8)$
 $45x^2 - 13x - 24$

7. $(4x - 8)(x - 4)$
 $4x^2 - 24x + 32$

8. $(8x + 8)(2x + 4)$
 $16x^2 + 48x + 32$

9. $(5x + 4)(5x + 9)$
 $25x^2 + 65x + 36$

10. $(2x - 1)(7x - 1)$
 $14x^2 - 9x + 1$

11. $(4x + 7)(4x + 9)$
 $16x^2 + 64x + 63$

12. $(-x - 6)(7x - 4)$
 $-7x^2 - 38x + 24$

13. $(9x - 7)(7x + 4)$
 $63x^2 - 13x - 28$

14. $(-7x - 7)(-2x - 7)$
 $14x^2 + 63x + 49$

15. $(2x + 7)(-2x - 8)$
 $-4x^2 - 30x - 56$

16. $(-x - 2)(9x - 5)$
 $-9x^2 - 13x + 10$

17. $(8x + 4)(-8x + 7)$
 $-64x^2 + 24x + 28$

18. $(7x + 3)(-3x + 4)$
 $-21x^2 + 19x + 12$

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

20. $(3x - 8)(x - 2)$
 $3x^2 - 14x + 16$