

Multiplying Factors (F)

Find the product of each pair of factors.

1. $(4x + 2)(2x - 9)$

11. $(3x - 8)(-9x + 9)$

2. $(-9x - 4)(-5x - 7)$

12. $(-8x - 1)(5x + 1)$

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

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

4. $(5x - 9)(-6x + 3)$

14. $(x + 7)(-3x + 2)$

5. $(-7x + 9)(-6x + 7)$

15. $(-6x - 5)(-8x - 9)$

6. $(9x - 9)(9x - 9)$

16. $(-2x - 5)(7x - 4)$

7. $(-6x - 3)(-2x - 5)$

17. $(-3x - 2)(x - 9)$

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

18. $(-8x - 3)(-2x - 2)$

9. $(-8x + 8)(7x + 2)$

19. $(-x - 8)(x + 2)$

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

20. $(7x - 4)(-6x - 1)$

Multiplying Factors (F) Answers

Find the product of each pair of factors.

1. $(4x + 2)(2x - 9)$
 $8x^2 - 32x - 18$

2. $(-9x - 4)(-5x - 7)$
 $45x^2 + 83x + 28$

3. $(-3x - 9)(6x + 8)$
 $-18x^2 - 78x - 72$

4. $(5x - 9)(-6x + 3)$
 $-30x^2 + 69x - 27$

5. $(-7x + 9)(-6x + 7)$
 $42x^2 - 103x + 63$

6. $(9x - 9)(9x - 9)$
 $81x^2 - 162x + 81$

7. $(-6x - 3)(-2x - 5)$
 $12x^2 + 36x + 15$

8. $(-4x + 6)(-8x - 6)$
 $32x^2 - 24x - 36$

9. $(-8x + 8)(7x + 2)$
 $-56x^2 + 40x + 16$

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

11. $(3x - 8)(-9x + 9)$
 $-27x^2 + 99x - 72$

12. $(-8x - 1)(5x + 1)$
 $-40x^2 - 13x - 1$

13. $(x + 8)(-7x + 7)$
 $-7x^2 - 49x + 56$

14. $(x + 7)(-3x + 2)$
 $-3x^2 - 19x + 14$

15. $(-6x - 5)(-8x - 9)$
 $48x^2 + 94x + 45$

16. $(-2x - 5)(7x - 4)$
 $-14x^2 - 27x + 20$

17. $(-3x - 2)(x - 9)$
 $-3x^2 + 25x + 18$

18. $(-8x - 3)(-2x - 2)$
 $16x^2 + 22x + 6$

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

20. $(7x - 4)(-6x - 1)$
 $-42x^2 + 17x + 4$