

Multiplying Factors (G)

Find the product of each pair of factors.

$$1. \quad (x - 9)(5x - 7)$$

$$11. \quad (6x - 5)(6x + 5)$$

$$2. \quad (4x + 9)(2x - 6)$$

$$12. \quad (6x - 5)(6x + 3)$$

$$3. \quad (4x - 1)(4x + 3)$$

$$13. \quad (4x - 5)(8x + 2)$$

$$4. \quad (3x + 8)(2x + 7)$$

$$14. \quad (8x - 7)(7x + 6)$$

$$5. \quad (9x + 6)(2x + 2)$$

$$15. \quad (5x - 5)(8x + 5)$$

$$6. \quad (5x + 3)(4x - 7)$$

$$16. \quad (5x - 5)(5x + 1)$$

$$7. \quad (8x + 4)(2x + 3)$$

$$17. \quad (8x - 3)(x + 7)$$

$$8. \quad (4x + 7)(5x + 3)$$

$$18. \quad (4x - 3)(3x - 8)$$

$$9. \quad (8x + 1)(9x - 3)$$

$$19. \quad (7x - 4)(8x - 3)$$

$$10. \quad (4x + 8)(x + 2)$$

$$20. \quad (6x + 8)(6x - 5)$$

Multiplying Factors (G) Answers

Find the product of each pair of factors.

1. $(x - 9)(5x - 7)$
 $5x^2 - 52x + 63$

11. $(6x - 5)(6x + 5)$
 $36x^2 - 25$

2. $(4x + 9)(2x - 6)$
 $8x^2 - 6x - 54$

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

3. $(4x - 1)(4x + 3)$
 $16x^2 + 8x - 3$

13. $(4x - 5)(8x + 2)$
 $32x^2 - 32x - 10$

4. $(3x + 8)(2x + 7)$
 $6x^2 + 37x + 56$

14. $(8x - 7)(7x + 6)$
 $56x^2 - x - 42$

5. $(9x + 6)(2x + 2)$
 $18x^2 + 30x + 12$

15. $(5x - 5)(8x + 5)$
 $40x^2 - 15x - 25$

6. $(5x + 3)(4x - 7)$
 $20x^2 - 23x - 21$

16. $(5x - 5)(5x + 1)$
 $25x^2 - 20x - 5$

7. $(8x + 4)(2x + 3)$
 $16x^2 + 32x + 12$

17. $(8x - 3)(x + 7)$
 $8x^2 + 53x - 21$

8. $(4x + 7)(5x + 3)$
 $20x^2 + 47x + 21$

18. $(4x - 3)(3x - 8)$
 $12x^2 - 41x + 24$

9. $(8x + 1)(9x - 3)$
 $72x^2 - 15x - 3$

19. $(7x - 4)(8x - 3)$
 $56x^2 - 53x + 12$

10. $(4x + 8)(x + 2)$
 $4x^2 + 16x + 16$

20. $(6x + 8)(6x - 5)$
 $36x^2 + 18x - 40$