

Multiplying Factors (C)

Find the product of each pair of factors.

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

$$11. \quad (8x + 3)(4x + 1)$$

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

$$12. \quad (3x + 8)(7x + 7)$$

$$3. \quad (2x - 8)(9x - 3)$$

$$13. \quad (8x - 2)(4x - 7)$$

$$4. \quad (3x + 5)(9x - 1)$$

$$14. \quad (7x + 7)(x - 5)$$

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

$$15. \quad (7x - 6)(3x + 3)$$

$$6. \quad (2x + 3)(5x - 3)$$

$$16. \quad (2x + 7)(9x - 5)$$

$$7. \quad (9x - 6)(x - 6)$$

$$17. \quad (4x - 2)(7x - 5)$$

$$8. \quad (2x + 1)(6x + 5)$$

$$18. \quad (5x + 8)(6x - 6)$$

$$9. \quad (5x + 2)(7x - 6)$$

$$19. \quad (8x + 2)(8x + 2)$$

$$10. \quad (6x + 4)(4x - 9)$$

$$20. \quad (5x + 9)(8x + 2)$$

Multiplying Factors (C) Answers

Find the product of each pair of factors.

1. $(9x - 5)(5x - 9)$
 $45x^2 - 106x + 45$

11. $(8x + 3)(4x + 1)$
 $32x^2 + 20x + 3$

2. $(3x + 4)(x - 8)$
 $3x^2 - 20x - 32$

12. $(3x + 8)(7x + 7)$
 $21x^2 + 77x + 56$

3. $(2x - 8)(9x - 3)$
 $18x^2 - 78x + 24$

13. $(8x - 2)(4x - 7)$
 $32x^2 - 64x + 14$

4. $(3x + 5)(9x - 1)$
 $27x^2 + 42x - 5$

14. $(7x + 7)(x - 5)$
 $7x^2 - 28x - 35$

5. $(7x + 9)(5x - 6)$
 $35x^2 + 3x - 54$

15. $(7x - 6)(3x + 3)$
 $21x^2 + 3x - 18$

6. $(2x + 3)(5x - 3)$
 $10x^2 + 9x - 9$

16. $(2x + 7)(9x - 5)$
 $18x^2 + 53x - 35$

7. $(9x - 6)(x - 6)$
 $9x^2 - 60x + 36$

17. $(4x - 2)(7x - 5)$
 $28x^2 - 34x + 10$

8. $(2x + 1)(6x + 5)$
 $12x^2 + 16x + 5$

18. $(5x + 8)(6x - 6)$
 $30x^2 + 18x - 48$

9. $(5x + 2)(7x - 6)$
 $35x^2 - 16x - 12$

19. $(8x + 2)(8x + 2)$
 $64x^2 + 32x + 4$

10. $(6x + 4)(4x - 9)$
 $24x^2 - 38x - 36$

20. $(5x + 9)(8x + 2)$
 $40x^2 + 82x + 18$