

Multiplying Factors (D)

Find the product of each pair of factors.

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

$$11. \quad (8x - 1)(x + 6)$$

$$2. \quad (9x + 8)(7x + 7)$$

$$12. \quad (4x - 4)(8x - 3)$$

$$3. \quad (7x + 1)(4x + 1)$$

$$13. \quad (2x - 8)(6x + 7)$$

$$4. \quad (5x + 5)(5x + 6)$$

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

$$5. \quad (9x + 1)(8x + 8)$$

$$15. \quad (4x - 4)(8x - 7)$$

$$6. \quad (7x - 1)(5x + 8)$$

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

$$7. \quad (8x - 6)(9x + 1)$$

$$17. \quad (x + 8)(6x + 8)$$

$$8. \quad (8x - 2)(3x - 5)$$

$$18. \quad (7x + 2)(5x + 4)$$

$$9. \quad (3x + 3)(2x - 5)$$

$$19. \quad (3x + 8)(2x + 8)$$

$$10. \quad (2x - 8)(x - 5)$$

$$20. \quad (7x - 9)(9x + 2)$$

Multiplying Factors (D) Answers

Find the product of each pair of factors.

1. $(3x - 3)(8x - 8)$
 $24x^2 - 48x + 24$

11. $(8x - 1)(x + 6)$
 $8x^2 + 47x - 6$

2. $(9x + 8)(7x + 7)$
 $63x^2 + 119x + 56$

12. $(4x - 4)(8x - 3)$
 $32x^2 - 44x + 12$

3. $(7x + 1)(4x + 1)$
 $28x^2 + 11x + 1$

13. $(2x - 8)(6x + 7)$
 $12x^2 - 34x - 56$

4. $(5x + 5)(5x + 6)$
 $25x^2 + 55x + 30$

14. $(x + 7)(7x - 7)$
 $7x^2 + 42x - 49$

5. $(9x + 1)(8x + 8)$
 $72x^2 + 80x + 8$

15. $(4x - 4)(8x - 7)$
 $32x^2 - 60x + 28$

6. $(7x - 1)(5x + 8)$
 $35x^2 + 51x - 8$

16. $(9x + 7)(2x + 2)$
 $18x^2 + 32x + 14$

7. $(8x - 6)(9x + 1)$
 $72x^2 - 46x - 6$

17. $(x + 8)(6x + 8)$
 $6x^2 + 56x + 64$

8. $(8x - 2)(3x - 5)$
 $24x^2 - 46x + 10$

18. $(7x + 2)(5x + 4)$
 $35x^2 + 38x + 8$

9. $(3x + 3)(2x - 5)$
 $6x^2 - 9x - 15$

19. $(3x + 8)(2x + 8)$
 $6x^2 + 40x + 64$

10. $(2x - 8)(x - 5)$
 $2x^2 - 18x + 40$

20. $(7x - 9)(9x + 2)$
 $63x^2 - 67x - 18$