

# Multiplying Factors (B)

Find the product of each pair of factors.

$$1. \quad (2x - 9)(3x - 2)$$

$$11. \quad (6x - 1)(7x + 2)$$

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

$$12. \quad (2x - 8)(6x - 6)$$

$$3. \quad (4x - 2)(9x - 7)$$

$$13. \quad (9x + 6)(2x + 8)$$

$$4. \quad (5x - 2)(9x + 7)$$

$$14. \quad (7x + 1)(x - 1)$$

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

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

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

$$16. \quad (3x - 4)(9x - 1)$$

$$7. \quad (5x - 2)(6x + 8)$$

$$17. \quad (9x + 2)(x + 6)$$

$$8. \quad (4x + 8)(3x + 6)$$

$$18. \quad (8x + 1)(6x - 4)$$

$$9. \quad (7x + 4)(5x + 6)$$

$$19. \quad (x + 1)(4x - 8)$$

$$10. \quad (9x + 9)(7x + 6)$$

$$20. \quad (2x - 7)(5x + 5)$$

## Multiplying Factors (B) Answers

Find the product of each pair of factors.

1.  $(2x - 9)(3x - 2)$   
 $6x^2 - 31x + 18$

11.  $(6x - 1)(7x + 2)$   
 $42x^2 + 5x - 2$

2.  $(4x - 6)(x - 6)$   
 $4x^2 - 30x + 36$

12.  $(2x - 8)(6x - 6)$   
 $12x^2 - 60x + 48$

3.  $(4x - 2)(9x - 7)$   
 $36x^2 - 46x + 14$

13.  $(9x + 6)(2x + 8)$   
 $18x^2 + 84x + 48$

4.  $(5x - 2)(9x + 7)$   
 $45x^2 + 17x - 14$

14.  $(7x + 1)(x - 1)$   
 $7x^2 - 6x - 1$

5.  $(8x + 1)(7x + 6)$   
 $56x^2 + 55x + 6$

15.  $(6x - 6)(7x + 6)$   
 $42x^2 - 6x - 36$

6.  $(5x + 8)(7x + 5)$   
 $35x^2 + 81x + 40$

16.  $(3x - 4)(9x - 1)$   
 $27x^2 - 39x + 4$

7.  $(5x - 2)(6x + 8)$   
 $30x^2 + 28x - 16$

17.  $(9x + 2)(x + 6)$   
 $9x^2 + 56x + 12$

8.  $(4x + 8)(3x + 6)$   
 $12x^2 + 48x + 48$

18.  $(8x + 1)(6x - 4)$   
 $48x^2 - 26x - 4$

9.  $(7x + 4)(5x + 6)$   
 $35x^2 + 62x + 24$

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

10.  $(9x + 9)(7x + 6)$   
 $63x^2 + 117x + 54$

20.  $(2x - 7)(5x + 5)$   
 $10x^2 - 25x - 35$