

**Chapter  
2****Cumulative Review (continued)****Find the sum.**

47.  $(-12g - 4) + (14g + 7)$

48.  $(4h + 3) + (-7h - 8)$

49.  $(3v^2 + 4v - 5) + (-4v^2 + 7v - 12)$

50.  $(t^3 - 2t^2 + 7) + (7t^2 - 13t^3 - 5t)$

**Find the difference.**

51.  $(x - 7) - (3x + 8)$

52.  $(10y + 4) - (-3y - 34)$

53.  $(x^2 + 2x - 8) - (2x^2 - 5x + 9)$

54.  $(-w - 7) - (-7w^4 + 3w^2 + 9w)$

**Use the Distributive Property, a table, or the FOIL Method to find the product.**

55.  $(x - 5)(x + 3)$

56.  $(y - 5)(y + 2)$

57.  $(n - 10)(n - 3)$

58.  $(2r - 5)(r + 9)$

59. A rectangular flower bed has a width of  $(2x + 5)$  and a length of  $(x + 10)$ .

a. Write a polynomial that represents the area of the flower bed.

b. Find the area of the flower bed when the length is 25 feet.

**Find the product.**

60.  $(x + 4)^2$

61.  $(3y - 5)^2$

62.  $(-7x - 3y)^2$

63.  $(w - 2)(w + 2)$

64.  $(2m - 4)(2m - 4)$

65.  $(9h + 2t)(9h - 2t)$

66. A square has a side length of  $3x + 2$ .

a. Write a polynomial that represents the area of the square.

b. Find the area if  $x = 3$ .**Solve the equation.**

67.  $(3x - 9)(2x + 10) = 0$

68.  $(7x - 14)(5x + 25) = 0$

69.  $(7x - 8)^2 = 0$

70.  $(2 - 5g)(2 + 5g) = 0$

**Solve the equation.**

71.  $5x^2 - 15x = 0$

72.  $21p^2 + 14p = 0$

73.  $18g - 6g^2 = 0$