[1] $m = -\dfrac{1}{2},\ b = -3$

[2] $m = \dfrac{7}{8},\ b = 5$

[3] $m = -\dfrac{4}{9},\ b = 9$

[4] $m = 3,\ b = 4$

[5] $m = -\dfrac{4}{3},\ b = -8$

[6] The slope is 5 and the *y*-intercept is 5.

[7] The slope is –5 and the *y*-intercept is –6.

[8] The slope is –1 and the *y*-intercept is –4.

[9] The slope is –2 and the *y*-intercept is –3.

[10] The slope is 3 and the *y*-intercept is –5.

[11] [B]

[12] [A]

[13] [A]

[14] [B]

[15] [C]

[16] $y = \dfrac{4}{3}x + \dfrac{41}{3}$

[17] $y = 2x + 15$

[18] $y = \dfrac{3}{2}x + 12$

[19] $y = \dfrac{3}{2}x + 12$

[20] $y = \dfrac{3}{2}x + \dfrac{17}{2}$

[21] $y = \dfrac{3}{2}x + 18$

[22] $y = \dfrac{5}{4}x + \dfrac{47}{4}$

[23] $y = \dfrac{4}{3}x + \dfrac{32}{3}$

[24] $y = \dfrac{4}{3}x + \dfrac{34}{3}$

[25] $y = \dfrac{3}{2}x + \dfrac{19}{2}$

[26] $y = 710x + 57{,}500$

[27] $y = 395 - 50x$

[28] $y = 10{,}758 - 180x$

[29] $y = 70x + 820$

[30] $y = 1{,}490x + 27{,}600$

[31] [A]

[32] [D]

[33] [C]

[34] [C]

[35] [D]

[36] [A]

[37] [A]

[38] [D]

[39] [B]

[40] [D]

[41] $x = 8$

[42] $y = -8$

[43] $y = 5$

[44] $x = -2$

[45] $x = -9$

[46] $y = 4$

[47] $x = -3$

[48] $y = -6$

[49] $y = 5$

[50] $x = 6$

[51] $-\dfrac{1}{3}$

[52] -6

[53] $\dfrac{1}{5}$

[54] -3

[55] $-\dfrac{1}{4}$

[56] 1

[57] $\dfrac{1}{2}$

[58] -2

[59] $-\dfrac{1}{7}$

[60] 5