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11.   4

12.   3

13.   2

14.   1

15.   3 or 4

16.   1 or 4

17.   3

18.   3

19.   1 or 3

20.   2 or 4

24.   7

26.   10

32.   Distance = 13; Midpoint = (7/2, 6)

34.   Distance = 15; Midpoint = (-5/2, 2)

36.   Distance = $8\sqrt{2}$; Midpoint = (6, 6)

38.   Distance = $\frac{\sqrt{2}}{6}$; Midpoint = $\left(-\frac{1}{4}, -\frac{5}{12}\right)$

41. $\left(\sqrt{5}\right)^2 + \left(\sqrt{45}\right)^2 = \left(\sqrt{50}\right)^2$

42.   Distances between the points: $\sqrt{29}, \sqrt{58}, \sqrt{29}$

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7.

x	-1	0	1	2	3
y	4	0	-2	-2	0

10.   x-intercept: $(-3, 0)$; y-intercept: $(0, 9)$

12.   x-intercept: $\left(\frac{8}{3}, 0\right)$; y-intercept: $(0, 8)$

14.   x-intercepts: $\left(\frac{1}{2}, 0\right)$; no y-intercept

16.   x-intercept: $(-10, 0)$; y-intercept: $(0, -10)$

18.   x-intercepts: $(\pm\sqrt{5}, 0)$; y-intercept: $(0, -25)$

20.   x-intercept: $(-1, \ 0)$; y-intercepts: $(0, \pm 1)$

33.   Graph should be a line with x-intercept: $\left(\frac{1}{3}, 0\right)$; y-intercept: $(0, 1)$

34.   Graph should be a line with x-intercept: $\left(\frac{3}{2}, 0\right)$; y-intercept: $(0, -3)$

35.   Graph should be a parabola with x-intercepts: $(0, 0) \ and \ (2, 0)$; vertex: $(1, -1)$

59. $(x - 2)^2 + (y + 1)^2 = 16$

62. $(x - 3)^2 + (y + 2)^2 = 25$

67.   Center at $(1, -3)$; Radius = 3

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89. $3x - 2y = 1$

90. $5x + 13y = -2$

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129.   D

130.   C

131.   A

132.   B