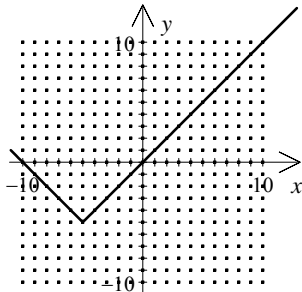


[1] $2hx + h^2 + h$

[2] 462

[3] $\frac{3}{x+1} - 1$



[4] $g(x) = |x+5| - 5$

[5] $y = \frac{x-4}{2}$

[6] 10

[7] 34

[8] 250 mph

[9] B

[10] $x^2 + x - 42 = 0$

[11] $\frac{120(k+e)}{j+v}$

[12] 4.71 inches

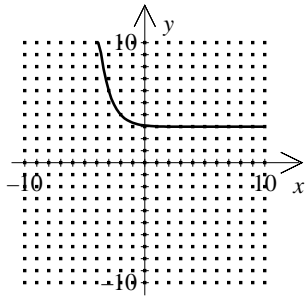
[13] $\frac{5}{12}$

[14] $\frac{x}{21} + \frac{y}{-7} = 1$

[15] 5

[16] $-\frac{1}{2}$

[17] $(x-2)^2 + (y+5)^2 = 9$



[18] _____

[19] B

[20] $\frac{2000h}{d - 1.50h}$ hams

[21] 25

[22] 75

[23] $x^2 + 4x + 20 = 0$

[24] $(x - 1 + 4i)(x - 1 - 4i)$

[25] $y = -4 \cos x + 2$

[26] 60°

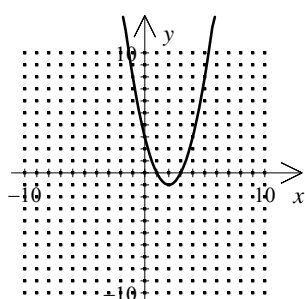
[27] $\frac{11}{4}$

[28] $y = -\frac{4}{11}x - \frac{59}{22}$

[29] $\log_c \frac{31}{8}$

[30] 6.6503

[31] $45.15 \frac{\text{km}}{\text{hr}}$



[32] _____

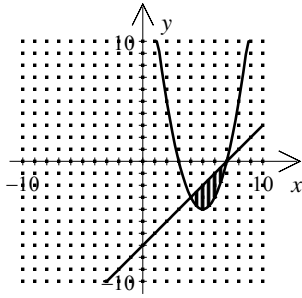
[33] 720

[34] 45,360

[35] 8264.39 ft²

[36] 67.32 ft²

[37] 10.0807 ft²



[38] _____

[39] $\frac{7\sqrt{10}}{10}$

[40] 3

[41] 90°, 270°

[42] 90°, 210°, 270°, 330°

[43] range = 22, mean = 20, median = 22, mode = 28, variance = 62.22, standard deviation = 7.89

68% of the data lie between 108 and 126

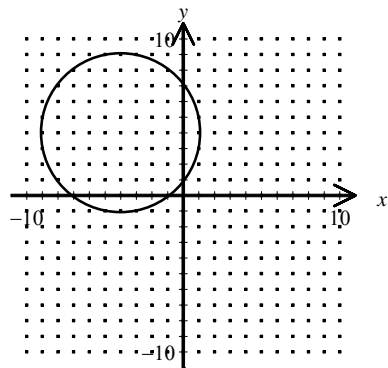
95% of the data lie between 99 and 135

[44] 99% of the data lie between 90 and 144

[45] $\frac{ge - hd}{je - hf}$

[46] $c = 20n + 230$, \$2230

center $(-4, 4)$; $r = 5$



[47] _____

[48] 3.61 cis 303.69°

[49] $4\sqrt{3} + 4i$

[50] $-3\sqrt{3} - 3i$