

[1] $x = -4$

[2] $x = \frac{27}{10} = 2.7$

[3] $b = \frac{2A}{h}$

[4] $r = \sqrt{\frac{A}{\pi}}$

[5] $w = \frac{P-2l}{2}$

[6] $m = 27$

[7] $x = \pm 6$

[8] $a = \frac{29}{2} = 14.5$

[9] $x = 4$ or $x = -1$

[10] $y > \frac{-19}{6}$

[11] 49

[12] $\frac{9}{16}$

[13] x^9y^4

[14] $-8x^{15}y^{18}$

[15] $\frac{x}{6a^2}$

[16] $x^2 + 2x - 15$

[17] $6x^2 - 29x + 35$

[18] $x^2 - 16$

[19] $4x^2 - 36$

[20] $x^2 + 18x + 81$

[21] $16x^2 - 88x + 121$

[22] $(x + 7)(x - 7)$

[23] $(2a - 6)(2a + 6)$

[24] $(x + 4)(x + 4) = (x + 4)^2$

[25] $(n - 1)(n - 1) = (n - 1)^2$

[26] omit

[27] omit

[28] omit

[29] $3\sqrt{3}$

[30] $4\sqrt{3}$

[31] $\frac{3}{4}$

[32] $13\sqrt{5}$

[33] $\sqrt{5}$ (correction)

[34] $63\sqrt{2}$

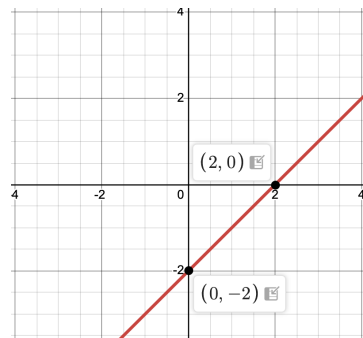
[37] $x = \frac{-4 \pm \sqrt{10}}{3}$; about -0.28 or -2.39

[38] $x = \frac{-3 \pm \sqrt{329}}{10}$; about -2.11 or 1.51

For all graphs, please remember to PLOT POINTS.

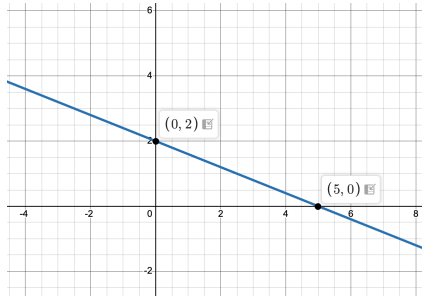
[39] [a] $m = 1$;

[b] x- intercept: (2, 0); y- intercept: (0, -2)



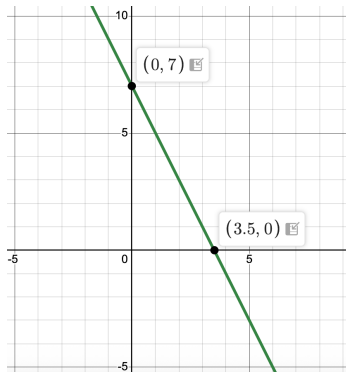
[40] [a] $m = -2/5$;

[b] x- intercept: (5, 0); y- intercept: (0, 2)



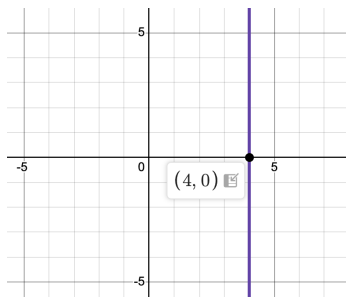
[41] [a] $m = -2$;

[b] x-intercept: (3.5, 0); y-intercept: (0, 7)



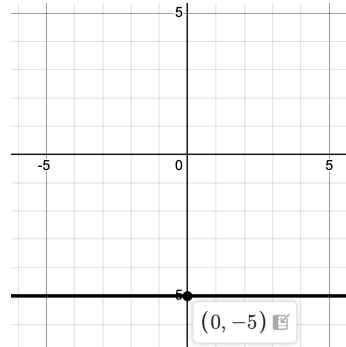
[42] [a] m is undefined;

[b] x-intercept: (4, 0); y-intercept: none



[43] [a] $m = 0$;

[b] x-intercept: none; y-intercept: (0, -5)



[44] $m = 3/2$

[45] $m = 0$

[46] $y = \frac{3}{2}x + 8$

[47] $y = -\frac{6}{5}x - 3$

[48] $y - 2 = 2(x - 4)$

[49] $y - 7 = -\frac{3}{2}(x + 3)$

[50] (-1, 8)

[51] (5, 1)

[52] $\left(\frac{5}{3}, \frac{4}{3}\right)$

[53] (-5, -30)

[54] (1, 0)

[55] (5, -4)