

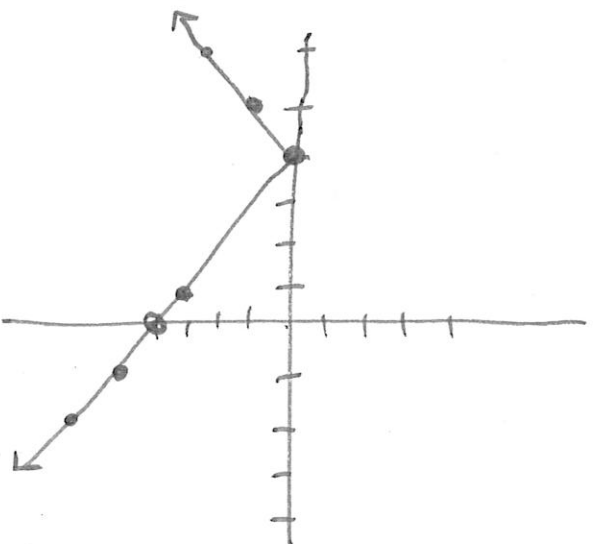
2.1 # 56 $y = -|x+4|$

$$\begin{array}{r|l} x & y \\ -4 & 0 \\ 0 & -1 \end{array} \quad 0 = -|x+4|$$

$$0 = |x+4|$$

$$0 = x+4$$

$$-4 = x$$



$$\begin{array}{r|l} x & y = -|x+4| \\ 0 & -|4| = -4 \quad (0, -4) \end{array}$$

$$1 \quad -|44| = -5 \quad (1, -5)$$

$$2 \quad -|6| = -6 \quad (2, -6)$$

$$-1 \quad -|+4| = -|3| = -3 \quad (-1, -3)$$

$$-5 \quad -|-5+4| = -|-1| = -1 \quad (-5, -1)$$

$$-6 \quad -|-6+4| = -|-2| = -2 \quad (-6, -2)$$

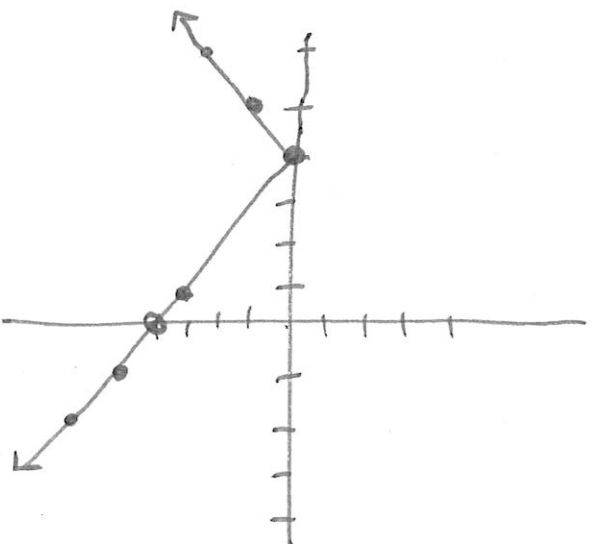
2.1 #56 $y = -|x+4|$

$$\begin{array}{r|l} x/y & \\ -4/0 & 0 = -|x+4| \\ 0 & -1 \end{array}$$

$$0 = |x+4|$$

$$0 = x+4$$

$$-4 = x$$



$$x \quad y = -|x+4|$$

$$0 \quad -|4| = -4 \quad (0, -4)$$

$$1 \quad -|44| = -5 \quad (1, -5)$$

$$2 \quad -|6| = -6 \quad (2, -6)$$

$$-1 \quad -|+4| = -|3| = -3 \quad (-1, -3)$$

$$-5 \quad -|-5+4| = -|-1| = -1 \quad (-5, -1)$$

$$-6 \quad -|-6+4| = -|-2| = -2 \quad (-6, -2)$$

2.1 # 54 $y = \sqrt{x} - 3$

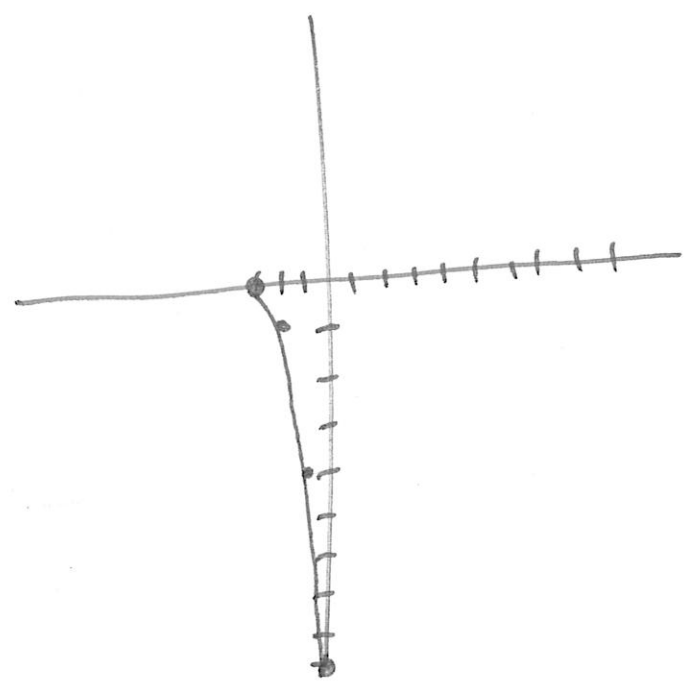
$$\begin{array}{r|l} x & y \\ 9 & 0 \\ 0 & -3 \end{array} \quad \begin{array}{l} 0 = \sqrt{x} - 3 \\ +3 \end{array}$$

$$3^2 = \sqrt{x}^2$$

$$9 = x$$

$$y = \sqrt{9} - 3$$

$$y = -3$$



x	y	
1	$\sqrt{1} - 3 = 1 - 3 = -2$	$(1, -2)$
4	$\sqrt{4} - 3 = 2 - 3 = -1$	$(4, -1)$

2.2 # 22 $(h, k) (-\sqrt{3}, -\sqrt{3}) \quad r = \sqrt{3}$

$$(x-h)^2 + (y-k)^2 = r^2$$

$$(x + \sqrt{3})^2 + (y + \sqrt{3})^2 = 3$$