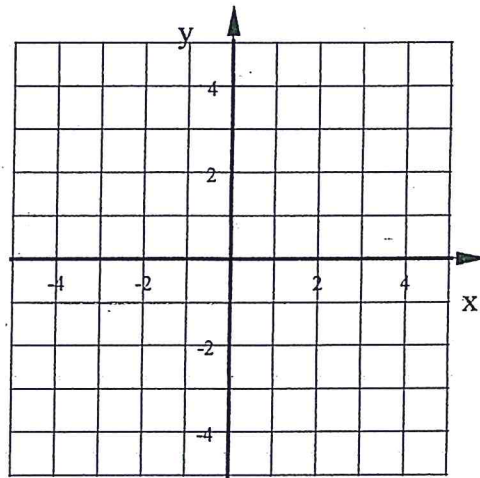
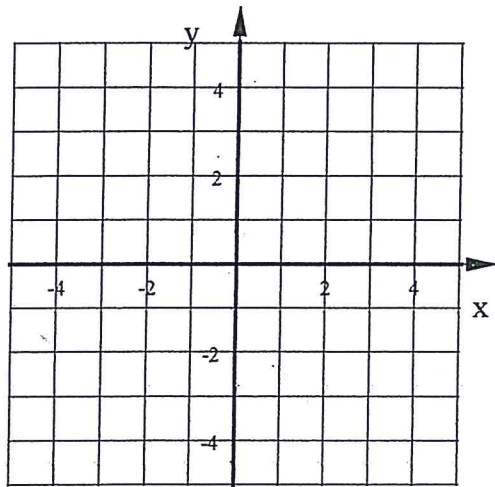


Hon Alg 2 Bellwork Wednesday, April 19, 2017

1. Graph each Square Root Function using at least 3 points.

a. $y = 4\sqrt{-(x-3)} - 5$

b. $y = -3\sqrt{x+2} + 4$



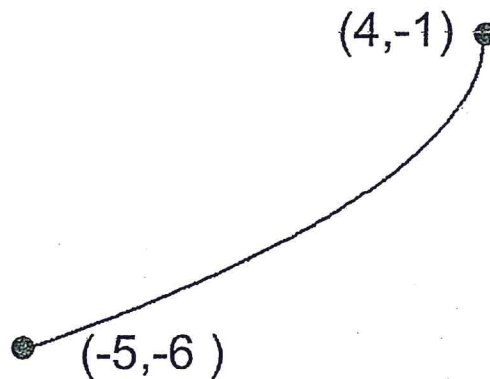
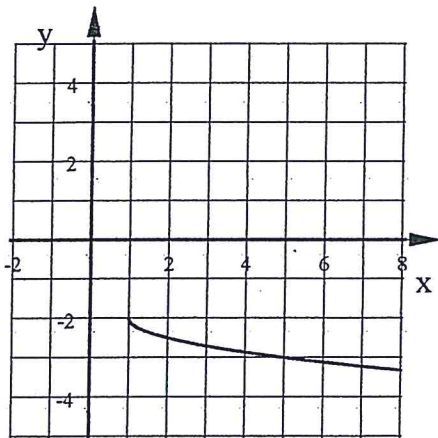
2. Write the equation of each Square Root Function.

a.

$y =$

b.

$y =$



3. State the Domain and Range of each Square Root Function.

a) $y = -8\sqrt{x+11} - 4$

b) $y = 3\sqrt{-(x+9)} + 13$

Domain:

Domain:

Range:

Range:

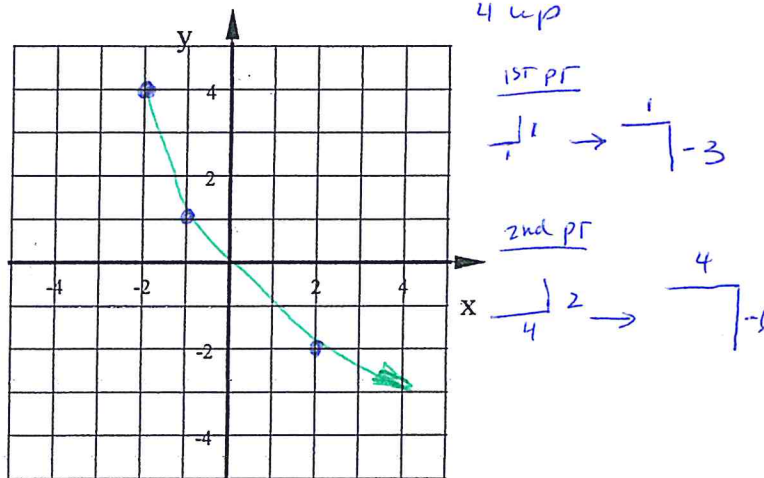
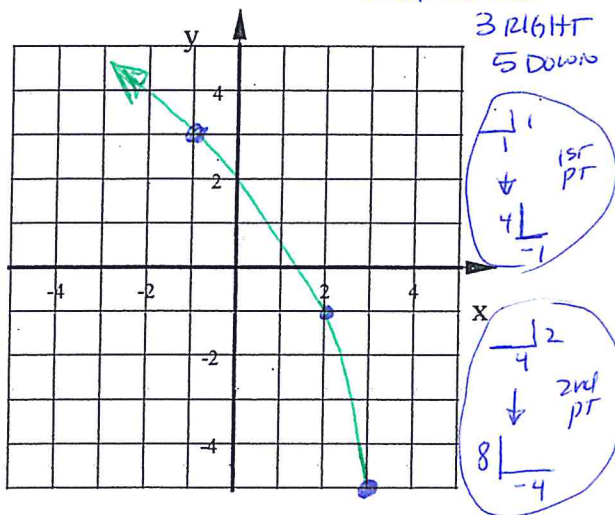
1. Graph each Square Root Function using at least 3 points.

a. $y = 4\sqrt{-(x-3)} - 5$

4x taller
Backwards

b. $y = -3\sqrt{x+2} + 4$

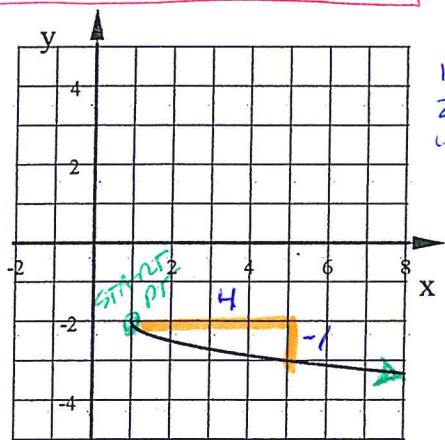
upside down
3x taller
2 left
4 up



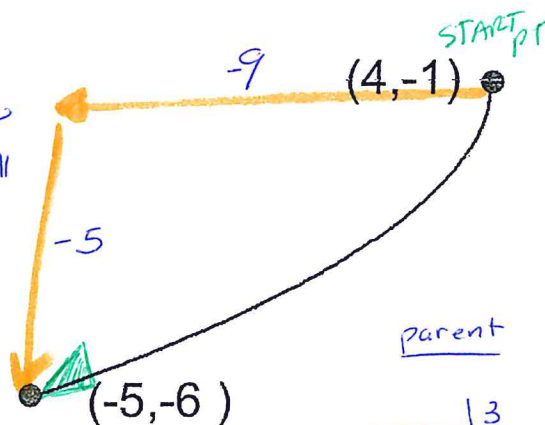
2. Write the equation of each Square Root Function.

a. $y = -\frac{1}{2}\sqrt{x-1} - 2$

b. $y = -\frac{5}{3}\sqrt{-(x-4)} - 1$



1 RIGHT
2 DOWN
upside down
 $y/2$ as tall



4 RIGHT
1 DOWN
upside down
backwards

parent $\sqrt{x}$ This function $a = -\frac{1}{2}$

parent $\sqrt{x}$ This function $a = -\frac{5}{3}$

3. State the Domain and Range of each Square Root Function.

a) $y = -8\sqrt{x+11} - 4$

Domain: $x \geq -11$
11 left
4 down
upside down

b) $y = 3\sqrt{-(x+9)} + 13$

Domain: $x \leq -9$

9 left 13 up
Backwards

Range: $y \leq -4$

Range: $y \geq 13$

