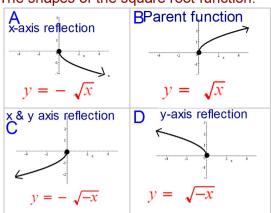
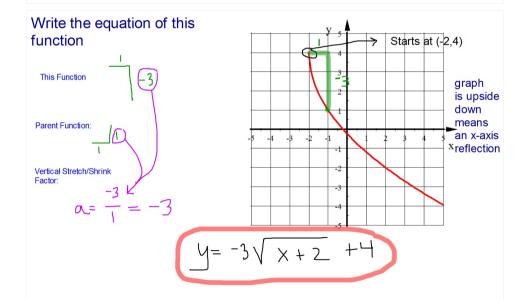
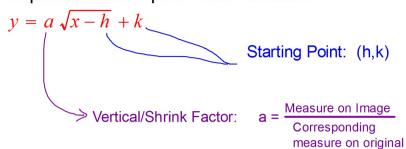
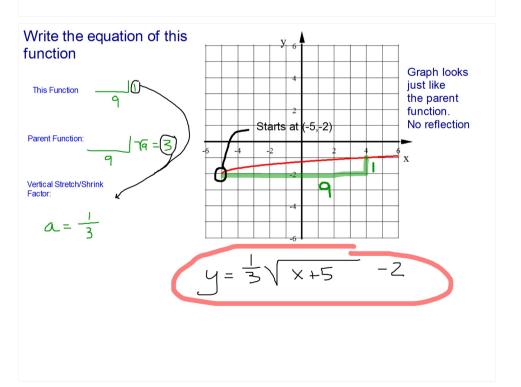
The shapes of the square root function:

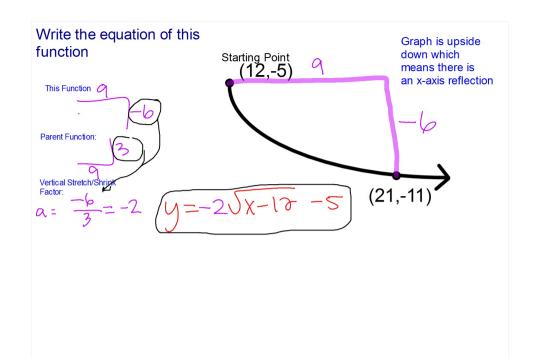




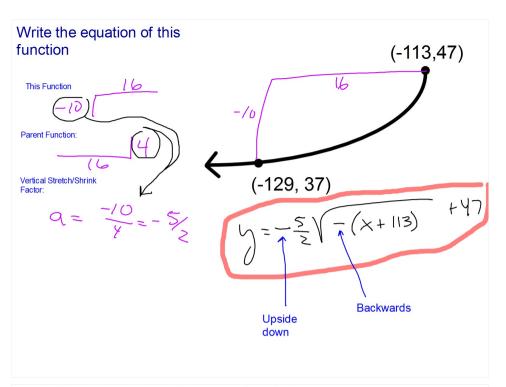
Equation of a Squre Root Function:







Domain and Range of Square Root Functions: D: [0, 00) A R: (-0,0]



Find the Domain and Range of each.

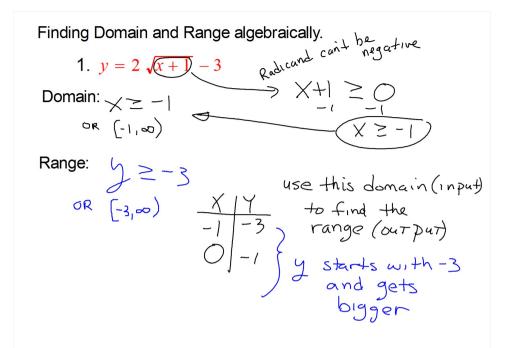
1.
$$y = 2\sqrt{x+1} - 3$$

No negatives means no reflections therefore, graph looks like parent function

starting point: (-1,-3)

Domain: $\chi \geq -1$ or $\left[-1,\infty\right)$

(-1, -3)



You can now do Hwk #13

Practice Sheet Sec 7-8

This is the end of Chapter 7!!

Upside down means it move down and to the right

2.
$$y = -4 \sqrt{x-5} + 6$$
 Starts at (5,6)

Domain: ソンス ਆ 「5.4

Range: y ≤ 6 or (-∞,6)