

Bellwork week 8: Monday 10/23/2017

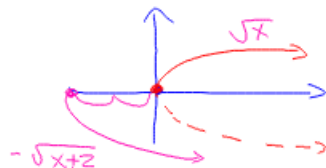
List the transformations of the following functions
then sketch each graph.

without calculator

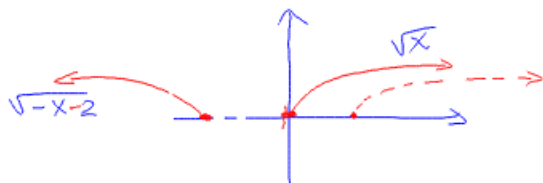
A) $-\sqrt{x+2}$

B) $\sqrt{-x-2}$

A) Reflection across x-axis $\ominus \sqrt{x+2}$
Left 2 $h=-2$ Left.



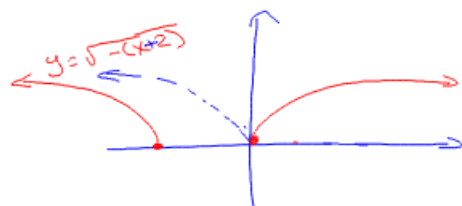
B) $\sqrt{\ominus x-2}$
 • 2 to the right
 • Reflection over y-axis.



2nd method

$$\sqrt{-x-2} = \sqrt{-(x+2)}$$

reflect over y-axis.
2 to the left



- Reflection over y-axis
- then 2 to the left.

$$y = a f(x-h) + k$$