

Name: *Key*



Unit 9 day 23 - Homework

Write the equation given the following transformation.

1. Right 9 and Up 4

$$y = \sqrt{x-9} + 4$$

2. Reflect over the x-axis and Down 11

$$y = -\sqrt{x} - 11$$

3. Reflect over the y-axis

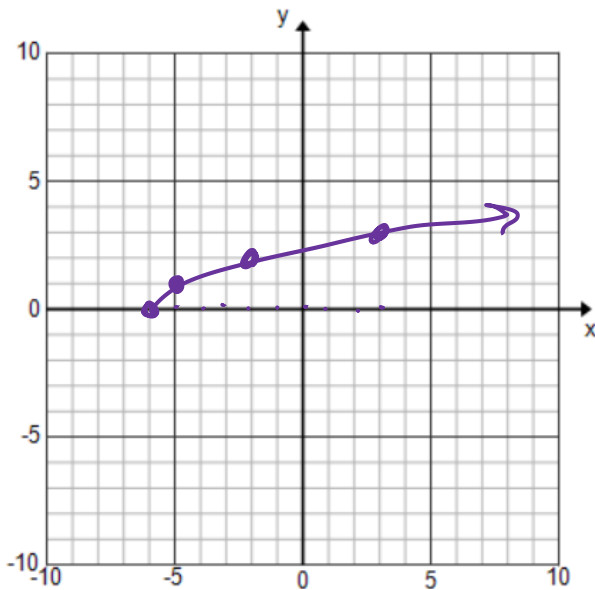
$$y = \sqrt{-x}$$

4. Left 8 and Up 12

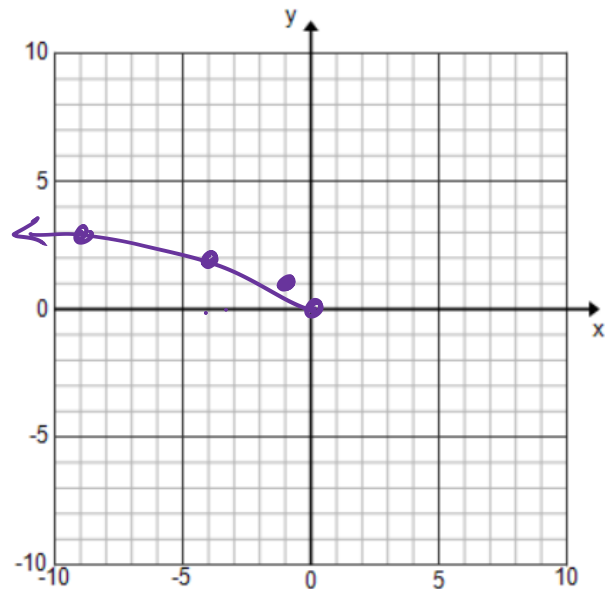
$$y = \sqrt{x+8} + 12$$

Graph the equation.

5. $y = \sqrt{x+6}$ *left 6*



6. $y = \sqrt{-x}$ *reflect y-axis*



7. Given the graph, state the equation.

$$y = \sqrt{x+7}$$

