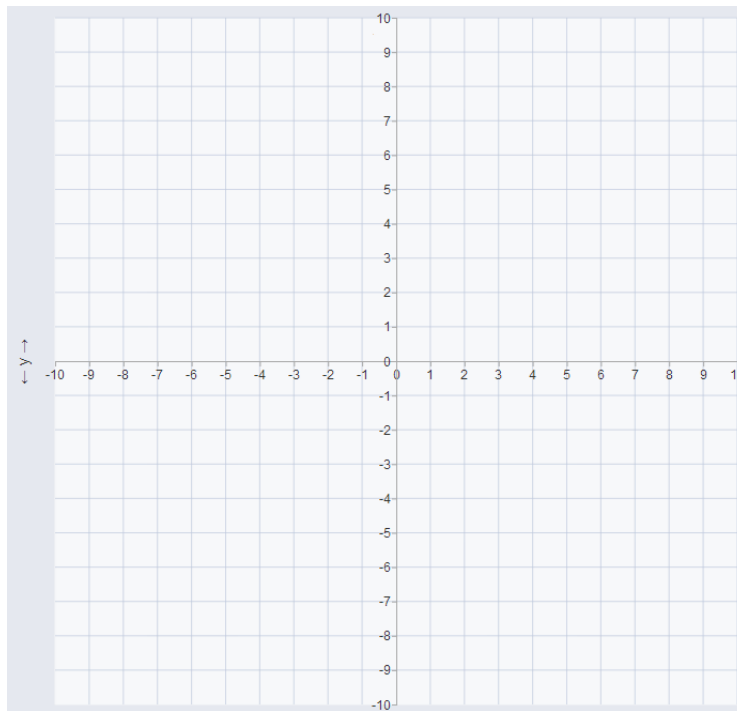


Name \_\_\_\_\_  
Date \_\_\_\_\_

Transformations of Functions 3: Reflections  
Check-in Activity

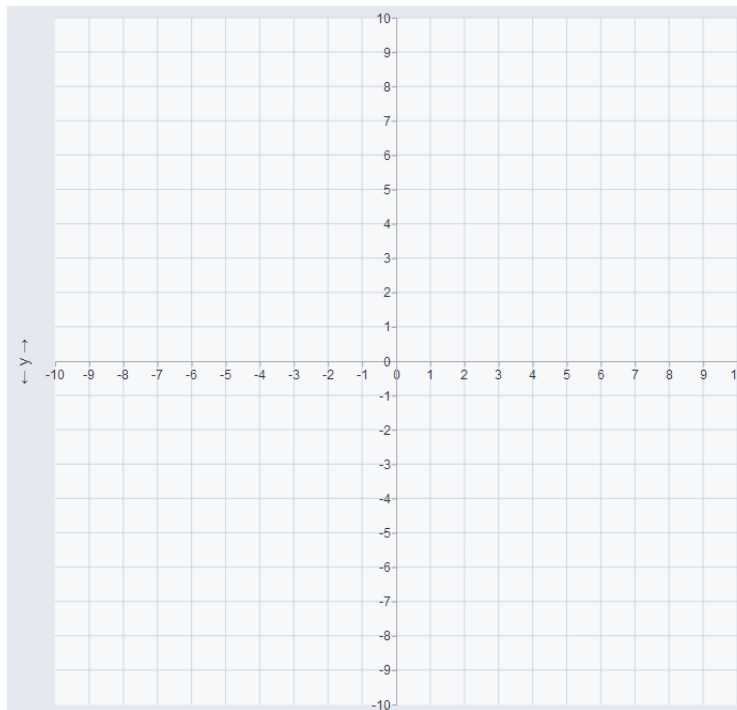
**Graph  $f(x) = |x|$  and  $f(x) = -|x|$  on the same axes. State the type of reflection.**

1.



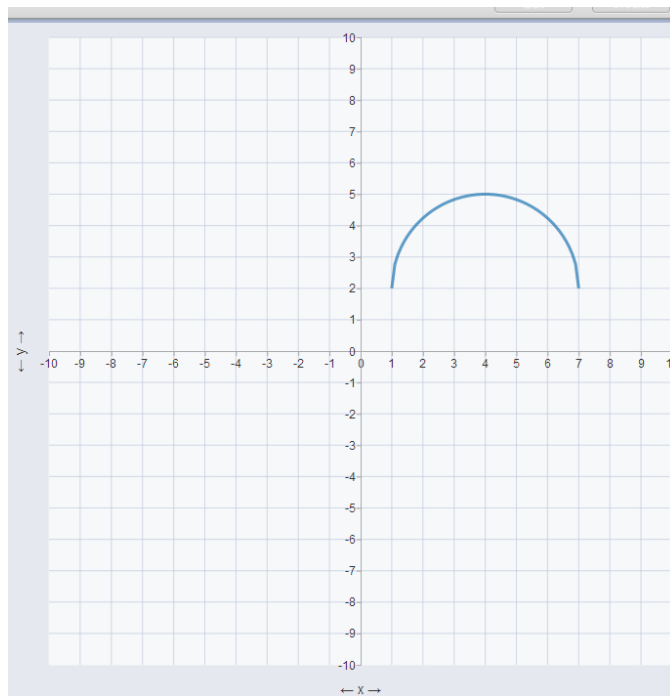
**Graph  $f(x) = 3^x$  and  $f(x) = 3^{-x}$  on the same axes. State the type of reflection.**

2.

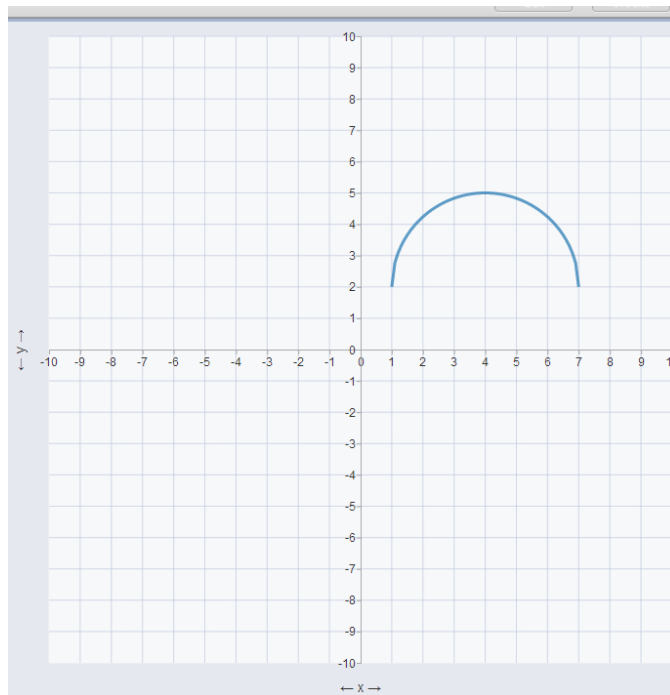


The graph of  $f(x) = \sqrt{9 - (x - 4)^2}$  is shown.

3. Graph a reflection of this function over the x-axis.

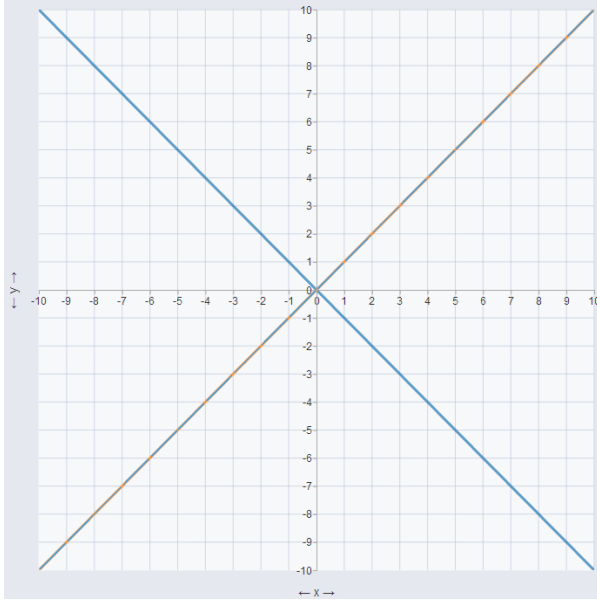


4. Graph a reflection of this function over the y-axis

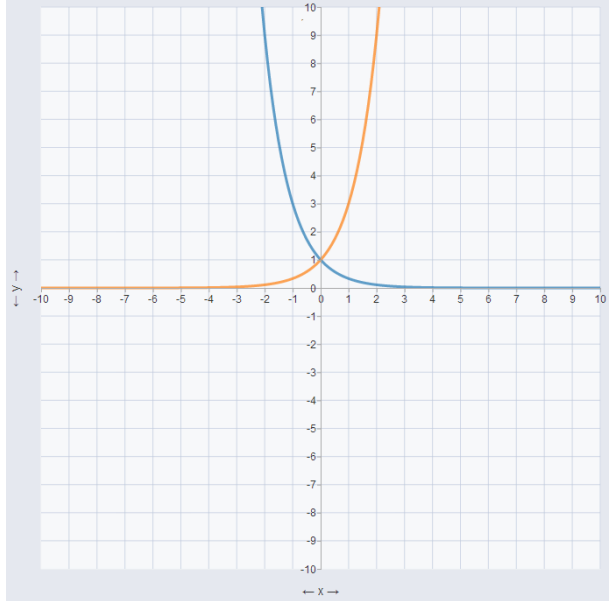


Answer Key:

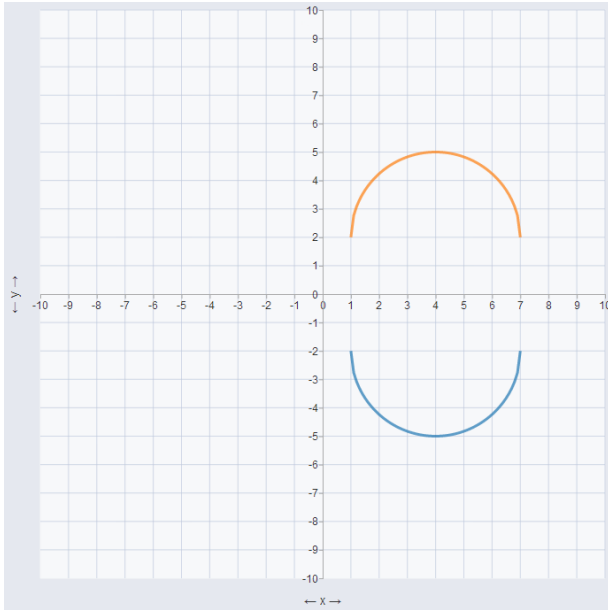
1. A reflection over the x-axis.



2. A reflection over the y-axis.



3.



4.

