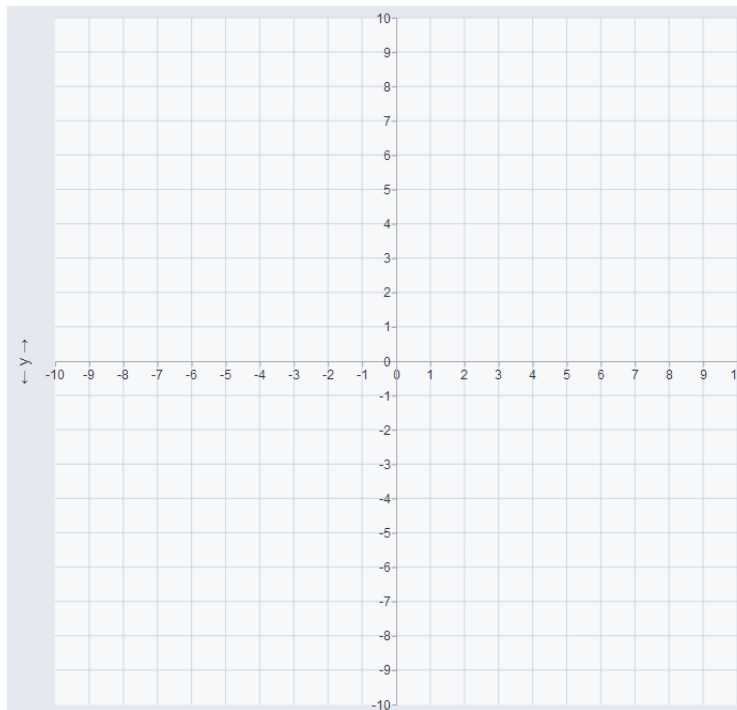**Graph $f(x) = |x|$ and $f(x) = -|x|$ on the same axes. State the type of reflection.**
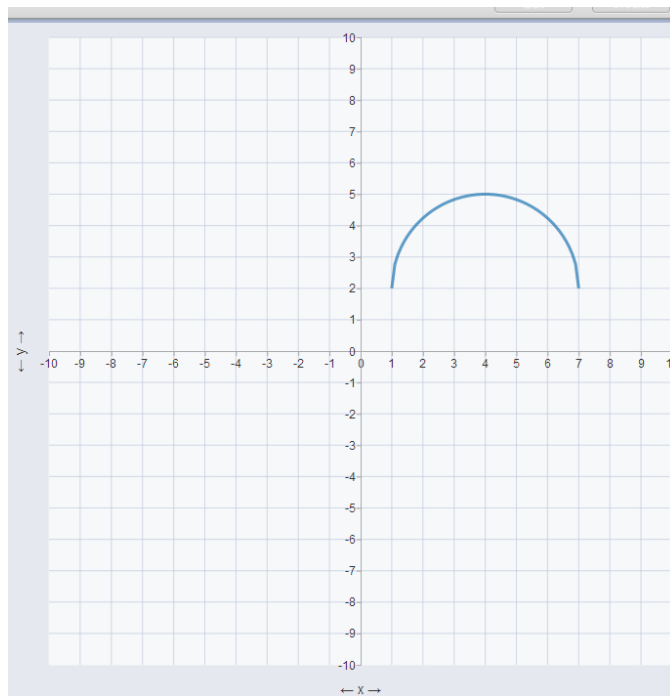
1.
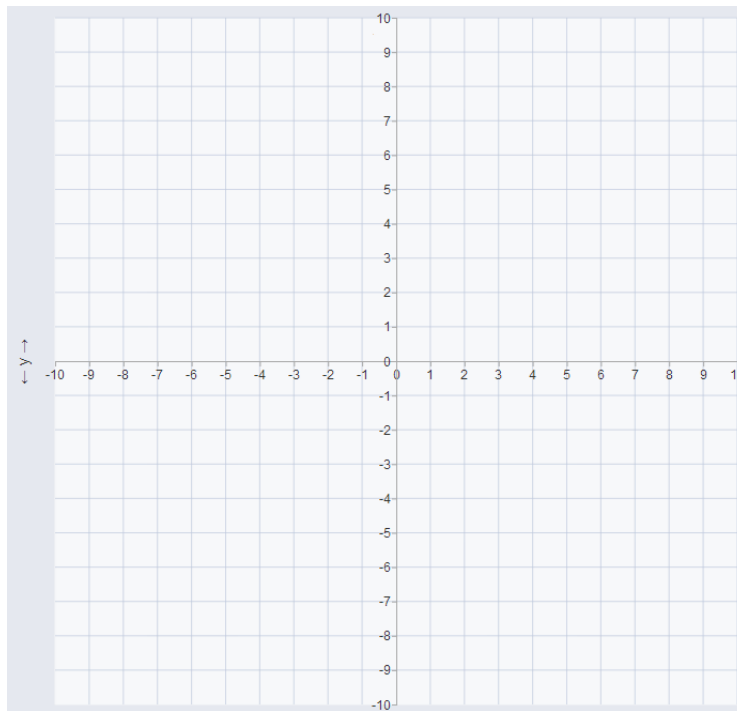
Graph $f(x) = 3^x$ and $f(x) = 3^{-x}$ on the same axes. State the type of reflection.
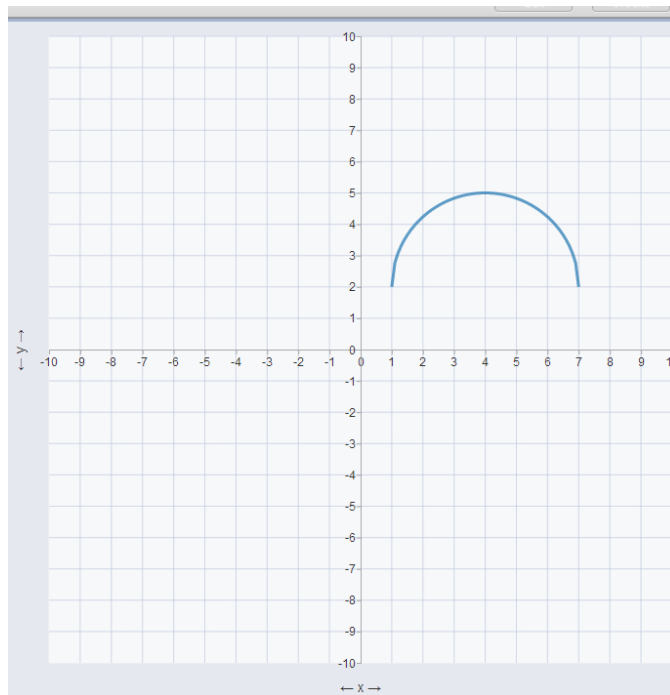
2.

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

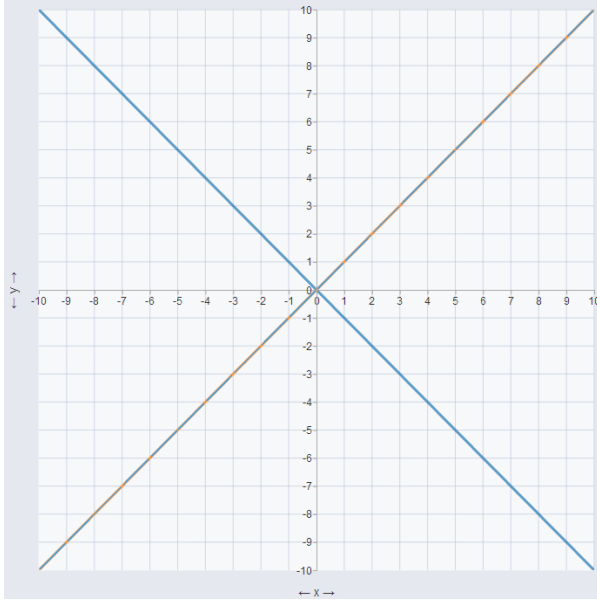3. Graph a reflection of this function over the x-axis.

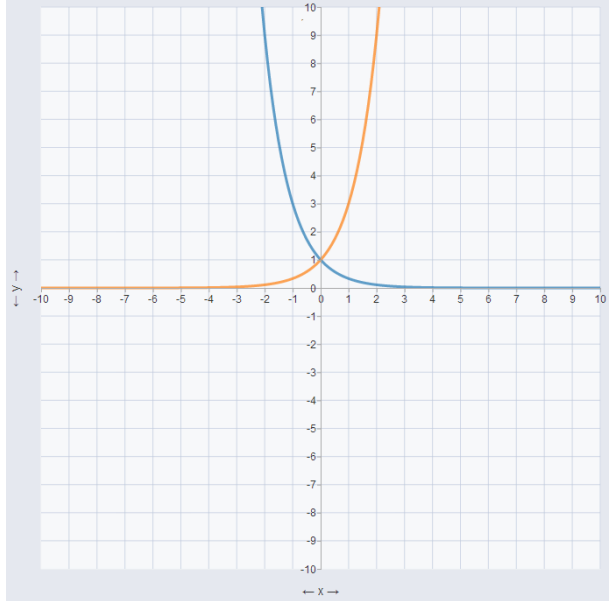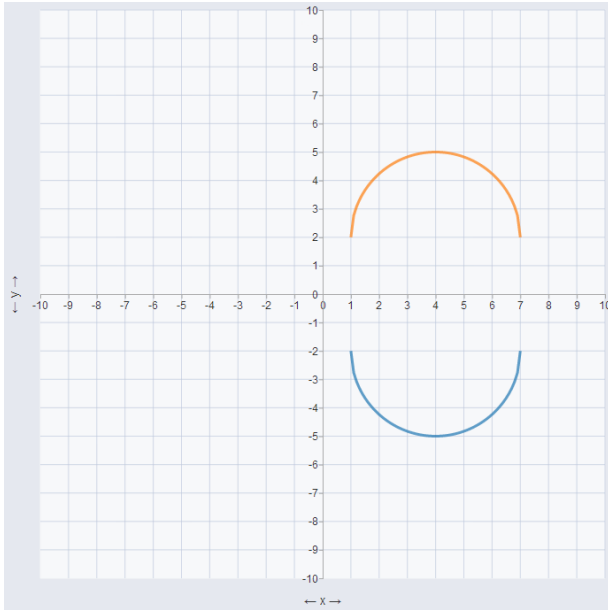4. Graph a reflection of this function over the y-axis

Answer Key:

1. A reflection over the x-axis.

2. A reflection over the y-axis.

3.

4.