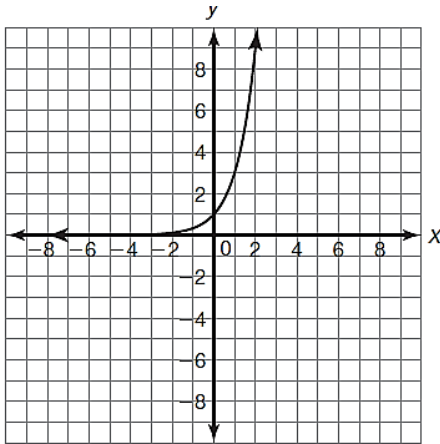


1. Identify whether  $g(x)$  is a horizontal or vertical reflection.

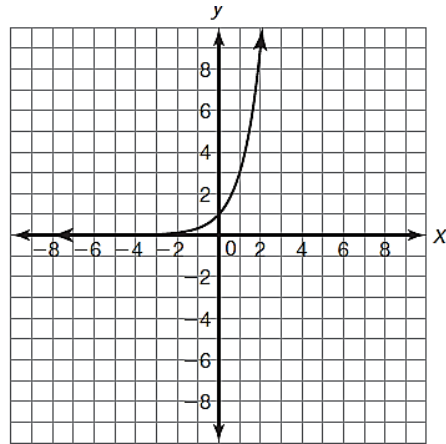
- |    |                 |    |                 |    |                     |    |                     |
|----|-----------------|----|-----------------|----|---------------------|----|---------------------|
| a. | $f(x) = 2^x$    | b. | $f(x) = 2^x$    | c. | $f(x) = 3^x + 7$    | d. | $f(x) = 4^x - 3$    |
|    | $g(x) = -(2^x)$ |    | $g(x) = 2^{-x}$ |    | $g(x) = 3^{-x} + 7$ |    | $g(x) = -(4^x - 3)$ |

2. The graph of  $f(x)$  is shown in each coordinate plane. Sketch the graph of  $g(x)$ .

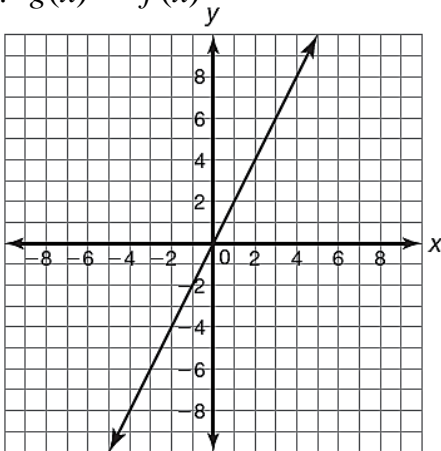
a.  $g(x) = -f(x)$



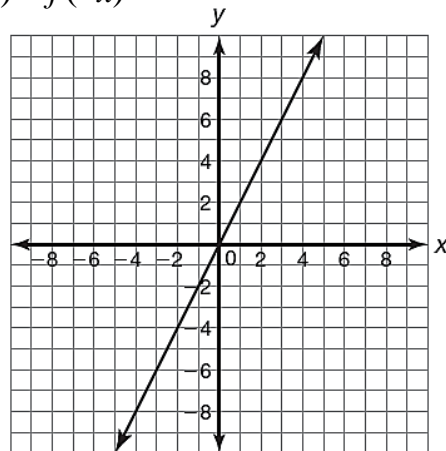
b.  $g(x) = f(-x)$



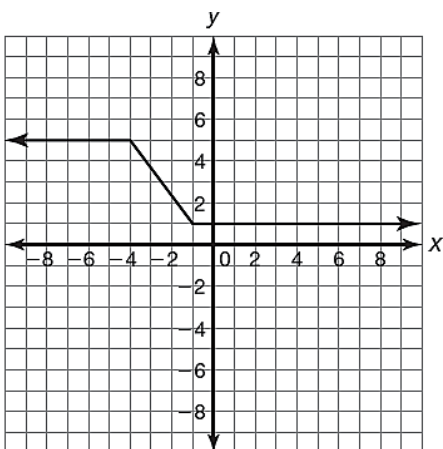
c.  $g(x) = -f(x)$



d.  $g(x) = f(-x)$



e.  $g(x) = -f(x)$



f.  $g(x) = f(-x)$

