

Name: _____

Date: _____

3.6 Transformations of Graphs of Linear Functions PART 2

Essential Question How does the graph of the linear function $f(x) = x$ compare to the graphs of $g(x) = f(x) + c$ and $h(x) = f(cx)$?

A reflection is a _____.

EXAMPLE 2 Reflections in the x -axis and the y -axis

Let $f(x) = \frac{1}{2}x + 1$. Graph (a) $g(x) = -f(x)$ and (b) $t(x) = f(-x)$. Describe the transformations from the graph of f to the graphs of g and t .

Reflect in x -axis:

Reflect in y -axis:

