

## Exercise 62

For the following exercises, describe how the graph of each function is a transformation of the graph of the original function  $f$ .

$$g(x) = -f(3x)$$

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### Solution

The graph of  $g(x)$  is the graph of  $f(x)$  reflected over the  $x$ -axis and horizontally compressed by a factor of  $\frac{1}{3}$ .