

# 2.4

Date:

Objective:

General form of a function with transformations:

$$g(x) = f\left(-\frac{1}{2}(x + 2)\right) - 1$$

Write transformations in words:

**Original  
ordered pairs**

1. (1, 0)
2. (-4, 5)
3. (-4, -5)
4. (1, 0)
5.  $\left(-\frac{1}{2}, 1\frac{1}{2}\right)$
6. (-4, -2)
7. (-4, 1)
8. (-2, 3)

**Parent**

x	g(x)

**Reflections**

x	g(x)

**Stretches/  
Compressions**

x	g(x)

**Translations  
(Shifts)**

x	g(x)

