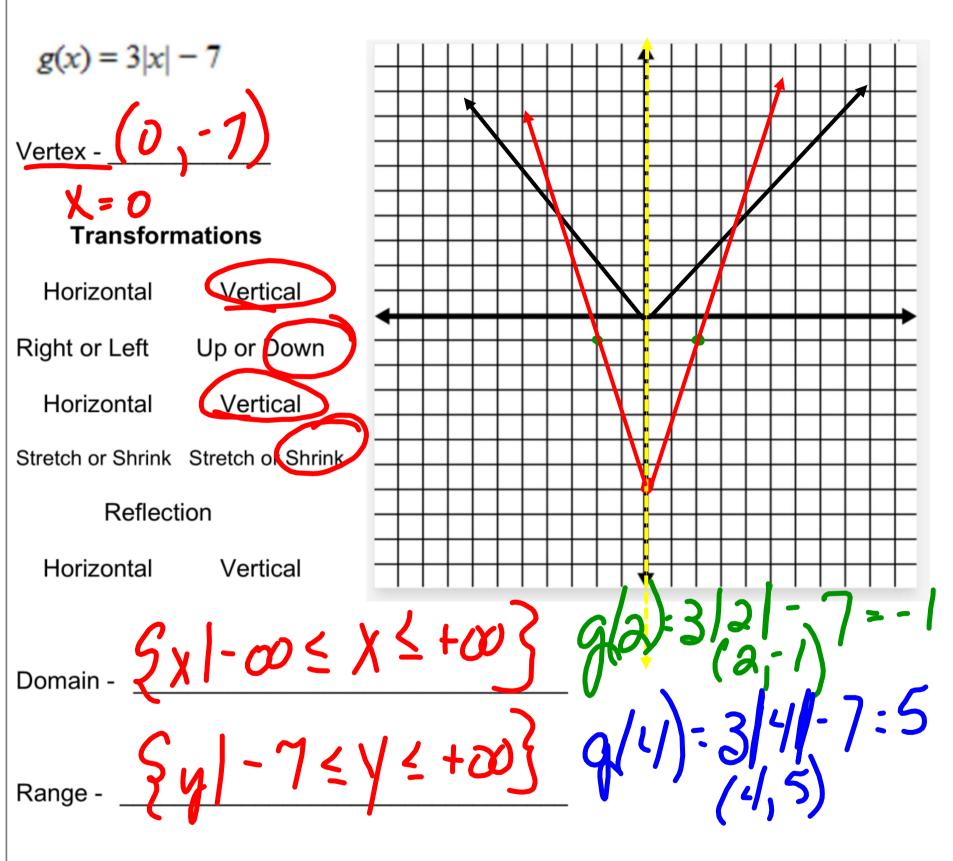
Date:	Hour:	
wing problems.		
oh of $f(x) =  x $ . List the	ne transformation(s) that the	1
		$\pm$
		Ħ
12+003	X+a=0 X=-2	
Y 4 +00 }	9(2) 13-12+21	: 3 2
	wing problems.  The absolute value function of $f(x) =  x $ . List the function $f(x)$ is the domain of $f(x)$ is the domain o	wing problems.  en absolute value function, as well as graph it. In of $f(x) =  x $ . List the transformation(s) that the $f(x)$ . State the domain and the range of the function $f(x) =  x $ . List the transformation $f(x) =  x $ . The following problems $f(x) =  x $ and $f(x) =  x $ . The following problems $f(x) =  x $ and $f(x) $

2. Find the vertex of the given absolute value function, as well as graph it. Compare the graph to the graph of f(x) = |x|. List the transformation(s) that the function g(x) has compared to f(x). State the domain and the range of the function g(x).



3. Find the vertex of the given absolute value function, as well as graph it. Compare the graph to the graph of f(x) = |x|. List the transformation(s) that the function g(x) has compared to f(x). State the domain and the range of the function g(x).

$$g(x) = -\frac{2}{3}|x|$$

Vertex - (D, O)

#### **Transformations**

Horizontal Vertical

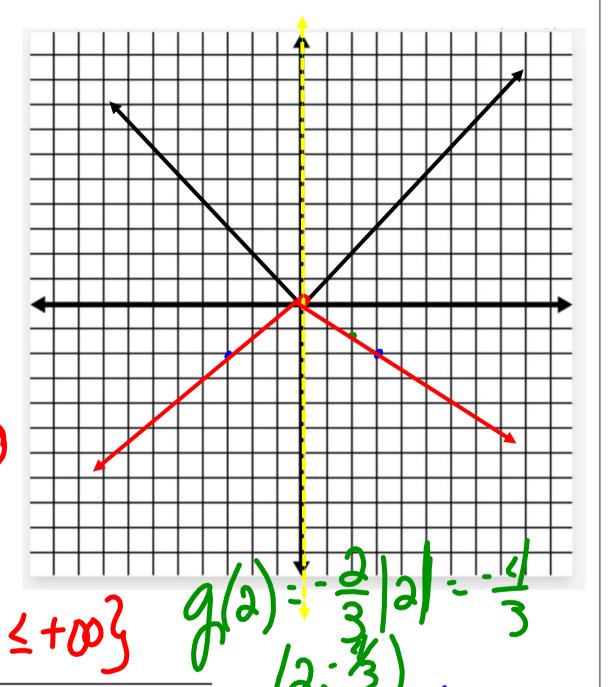
Right or Left Up or Down

Horizontal Vertical

Stretch or Shrink Stretch or Shrink

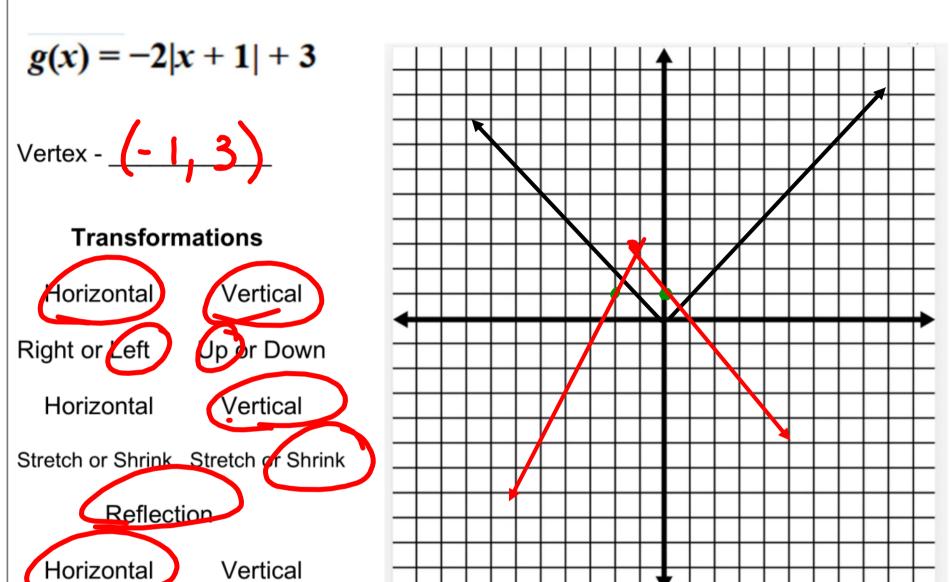
Reflection

Horizontal Vertical



Domain -  $\frac{5}{5} \times |-\infty \le x \le +\infty$ Range -  $\frac{5}{5} \times |-\infty \le x \le +\infty$ 

Find the vertex of the given absolute value function, as well as graph it. 4. Compare the graph to the graph of f(x) = |x|. List the transformation(s) that the function g(x) has compared to f(x). State the domain and the range of the function g(x).



Domain - 
$$\frac{5\sqrt{-\infty} \le x \le +\infty}{5\sqrt{-\infty} \le \sqrt{\le 35}}$$
Range - 
$$\frac{5\sqrt{-\infty} \le \sqrt{\le 35}}{5\sqrt{-\infty} \le \sqrt{\le 35}}$$

Range - 
$$\frac{5}{4}$$

5. Find the vertex of the given absolute value function, as well as graph it. Compare the graph to the graph of f(x) = |x|. List the transformation(s) that the function g(x) has compared to f(x). State the domain and the range of the function g(x).

$$g(x) = 3 |2x + 8| - 10$$

Vertex - \_\_\_\_\_

#### **Transformations**

Horizontal Vertical

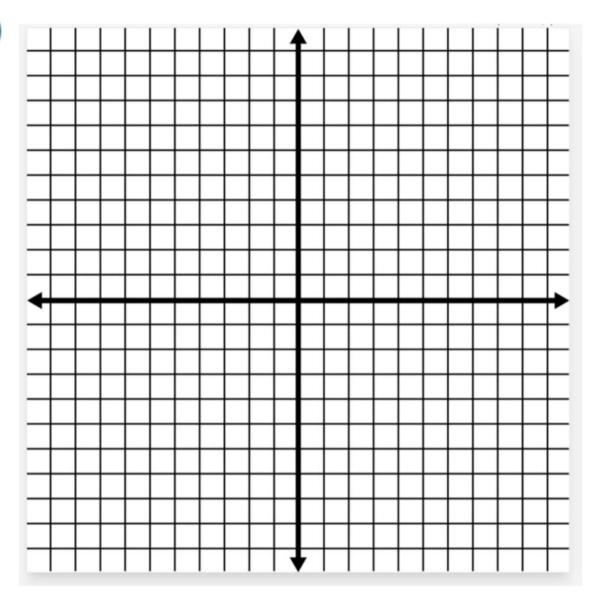
Right or Left Up or Down

Horizontal Vertical

Stretch or Shrink Stretch or Shrink

Reflection

Horizontal Vertical



Domain - \_\_\_\_\_

Range - \_\_\_\_\_