

NAME:

DATE:

A2.Q1.BERMELLEEMBO:

GRAPHING FUNCTIONS

(DAY G1)

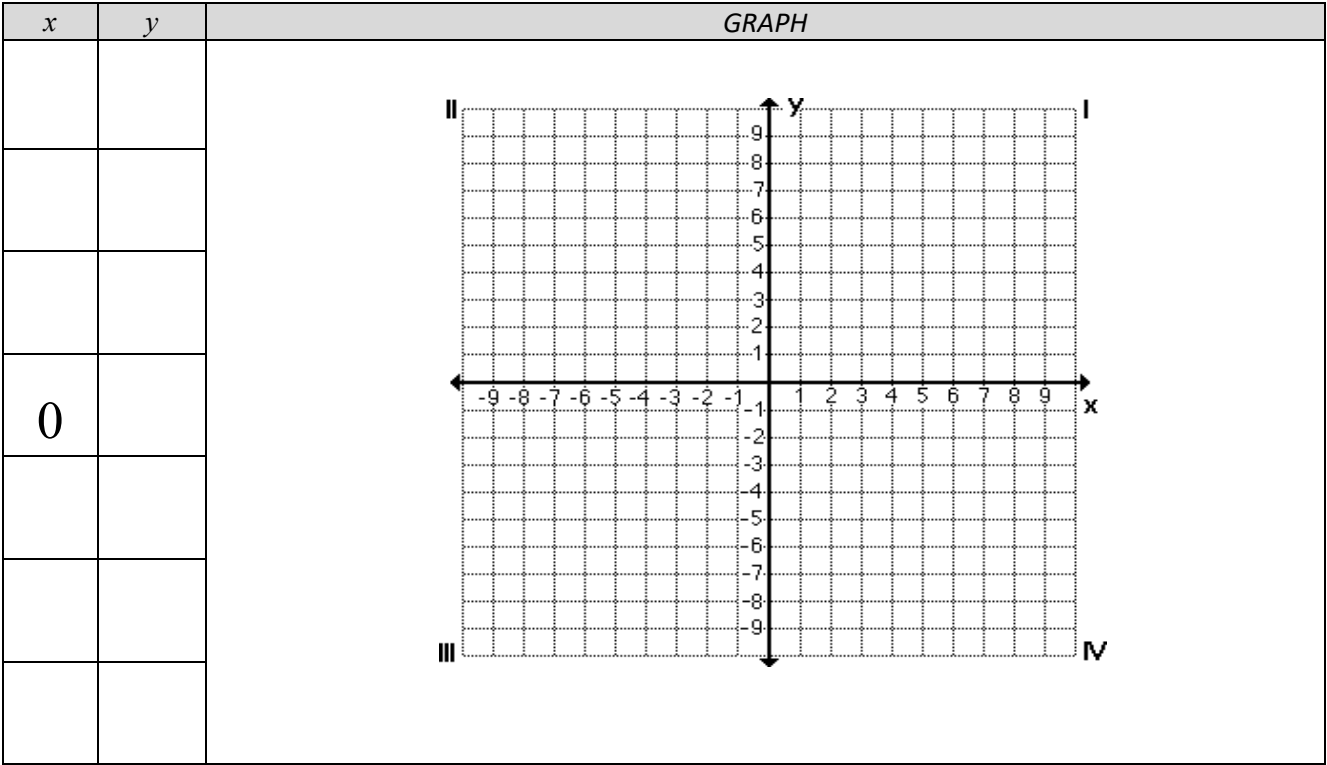
MASTERY PRACTICE

TRANSFORMATIONS OF THE PARENT ABSOLTE VALUE FUNCTION

NO CALCULATORS

PARENT: $f(x)=|x|$

TABLE OF VALUES AND GRAPH:



VERTEX:

SLOPE RATIO:

PARENT: $f(x) = |x|$

1. NEW FUNCTION: $g(x) = |x + 2|$

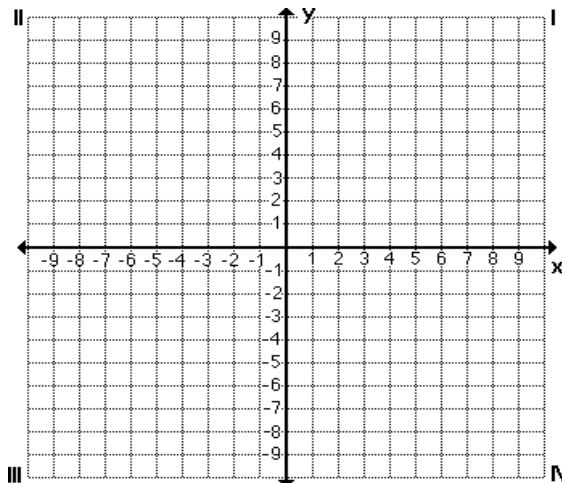
Horizontal Translation:

Dilation: Slope Ratio:

Reflection:

Vertical Translation:

Vertex:



2. NEW FUNCTION: $g(x) = |x - 5|$

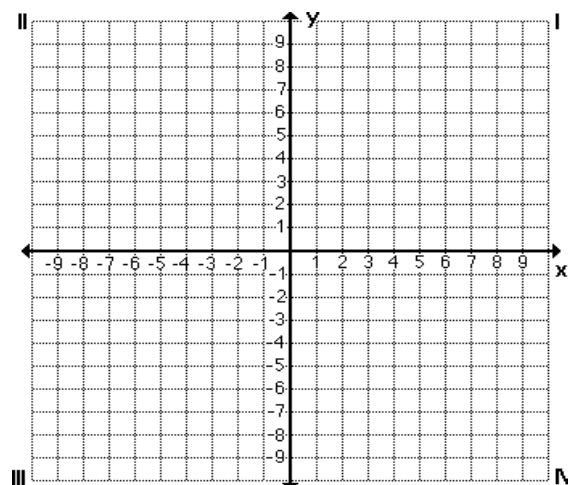
Horizontal Translation:

Dilation: Slope Ratio:

Reflection:

Vertical Translation:

Vertex:



3. NEW FUNCTION: $g(x) = |x| + 4$

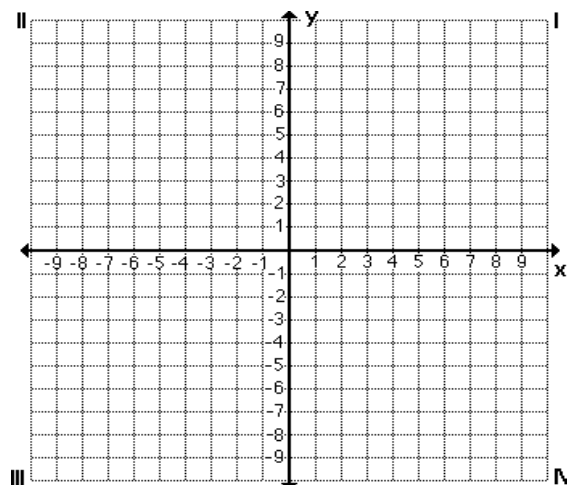
Horizontal Translation:

Dilation: Slope Ratio:

Reflection:

Vertical Translation:

Vertex:



PARENT: $f(x) = |x|$

4. NEW FUNCTION: $g(x) = |x| - 7$

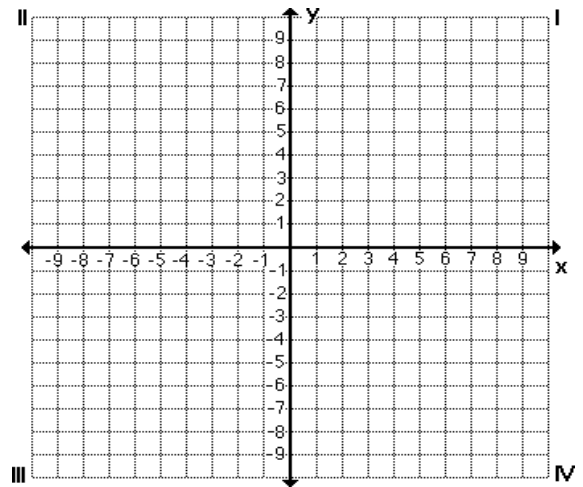
Horizontal Translation:

Dilation: Slope Ratio:

Reflection:

Vertical Translation:

Vertex:



5. NEW FUNCTION: $g(x) = |x + 2| - 6$

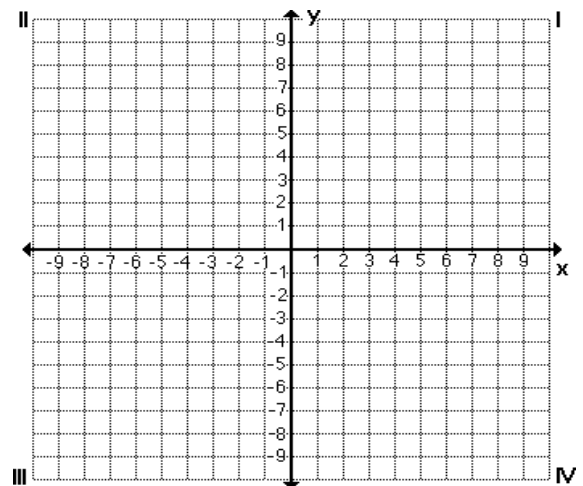
Horizontal Translation:

Dilation: Slope Ratio:

Reflection:

Vertical Translation:

Vertex:



6. NEW FUNCTION: $g(x) = |x - 7| - 3$

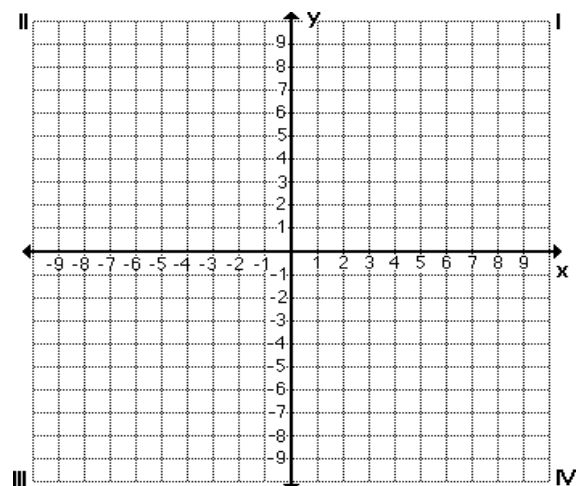
Horizontal Translation:

Dilation: Slope Ratio:

Reflection:

Vertical Translation:

Vertex:



PARENT: $f(x) = |x|$

7. NEW FUNCTION: $g(x) = |x - 9|$

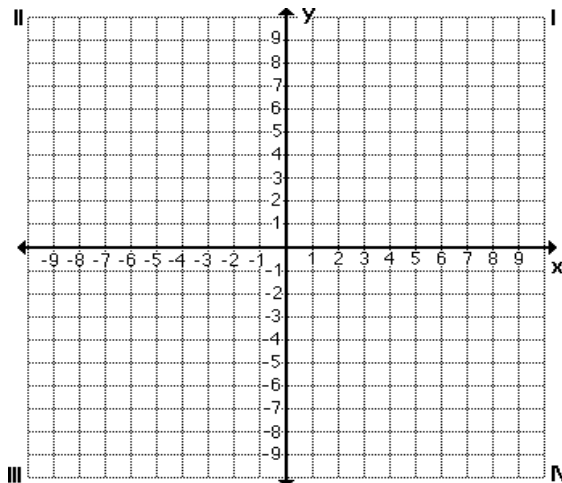
Horizontal Translation:

Dilation: Slope Ratio:

Reflection:

Vertical Translation:

Vertex:



8. NEW FUNCTION: $g(x) = |x - 3| + 6$

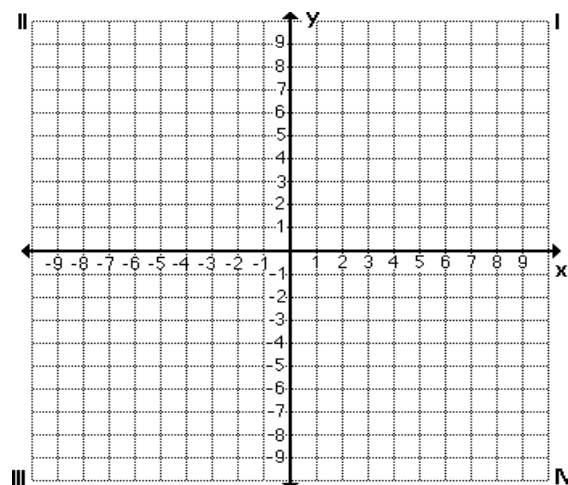
Horizontal Translation:

Dilation: Slope Ratio:

Reflection:

Vertical Translation:

Vertex:



9. NEW FUNCTION: $g(x) = |x + 5| + 1$

Horizontal Translation:

Dilation: Slope Ratio:

Reflection:

Vertical Translation:

Vertex:

