CW#___
Math 3

Name: _____

Date: _____

Period: A1 A2 A3 B1

PRACTICE #3
: Graphs & Equations of Transformations

For each graph, identify the **family of functions**, the **locator point,** the **orientation**, and the **stretch factor**. Then write a possible **equation** for the graph.

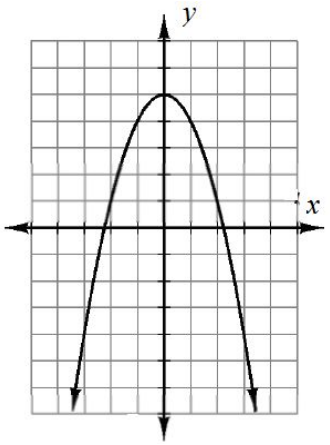
1. Family:

Vertex (*h, k*):

Orientation:

Stretch/Compression?

Equation:



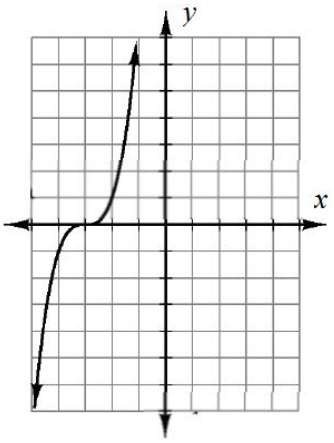
2. Family:

Point of Inflection (*h, k*):

Orientation:

Stretch/Compression?

Equation:



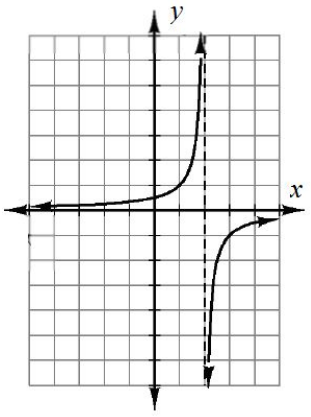
3. Family:

Asymptotes ($x = h$ & $y = k$):

Orientation:

Stretch/Compression?

Equation:



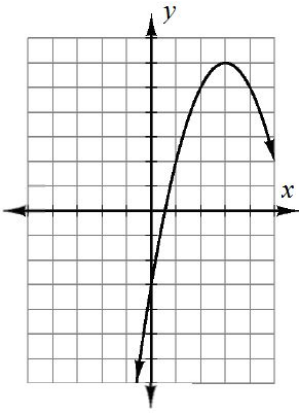
4. Family:

Vertex (*h, k*):

Orientation:

Stretch/Compression?

Equation:



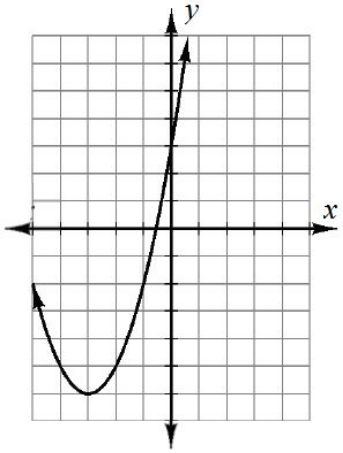
5. Family:

Vertex (*h, k*):

Orientation:

Stretch/Compression?

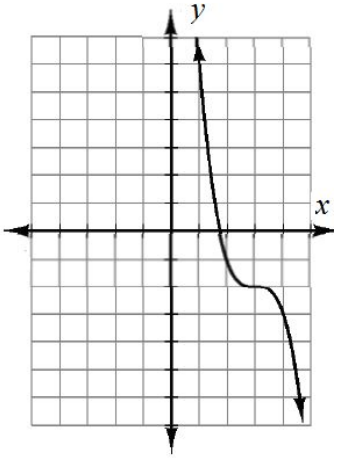
Equation:



6. Family:

Point of Inflection (*h, k*):

Orientation:

Stretch/Compression?

Equation: