

Parent Functions Practice:

Name the family from which the given function came.

1. $g(x) = x^2 - 1$

4. $g(x) = x^3 + 3$

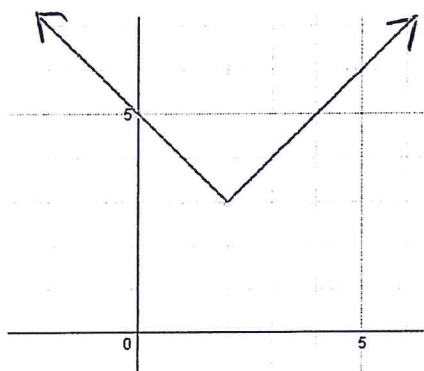
2. $f(x) = 2|x-1|$

3. $h(x) = \sqrt{x-2}$

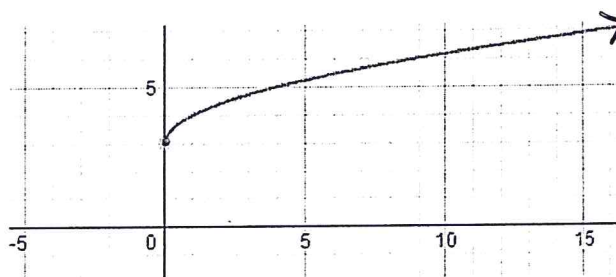
5. $f(x) = 2x + 7$

Determine the parent function of the transformed graph.

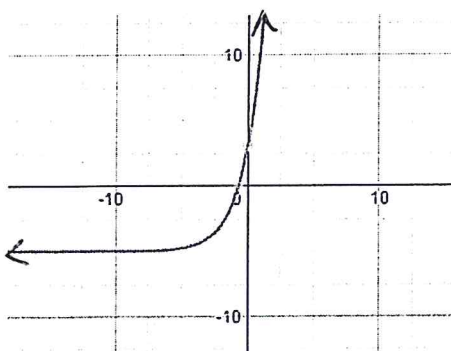
Parent _____



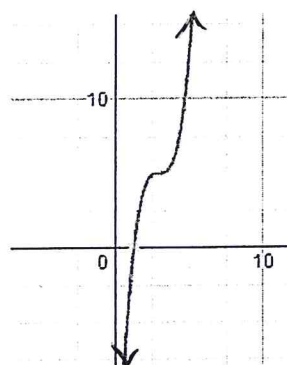
Parent _____



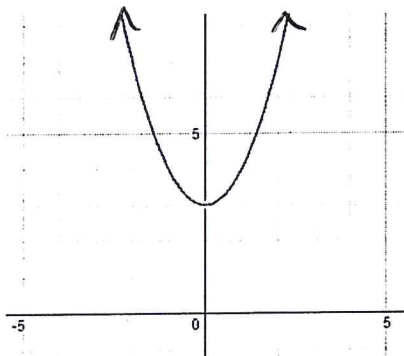
Parent _____



Parent _____

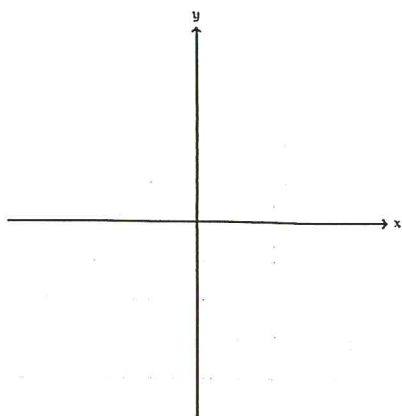


Parent _____

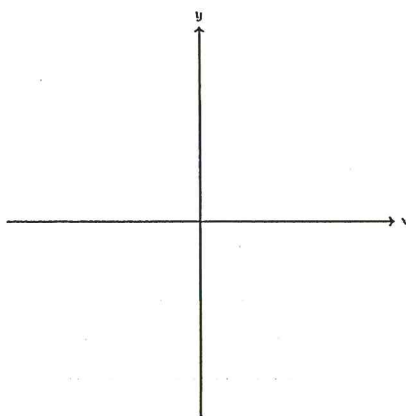


Write the equation of the parent function and sketch its graph.

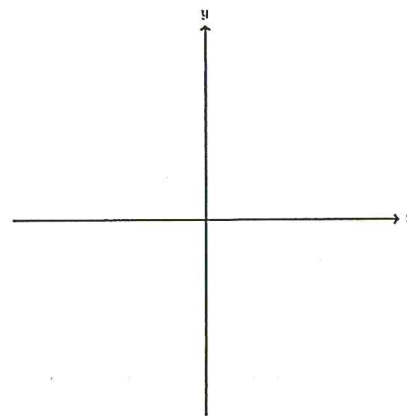
Absolute value _____



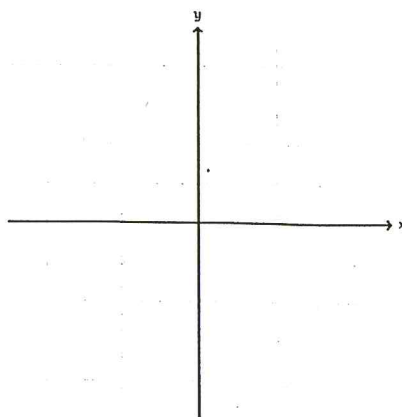
Polynomial (even) _____



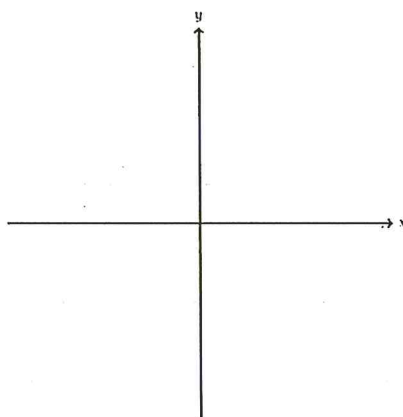
Exponential Growth _____



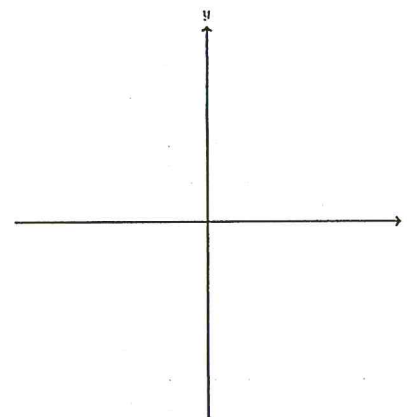
Radical (even) _____



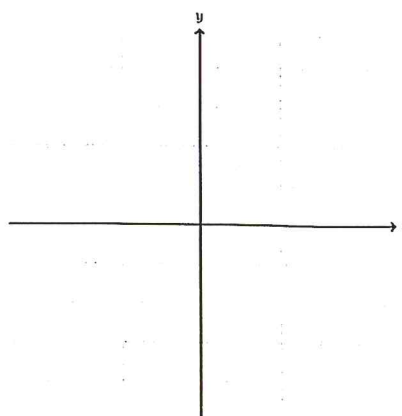
Exponential Decay _____



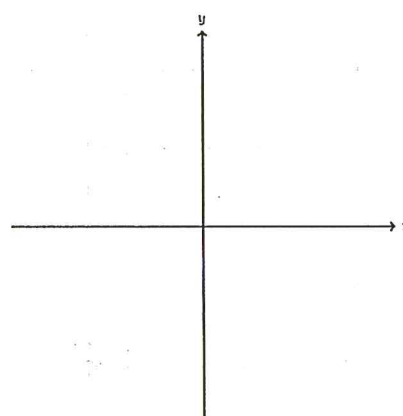
Polynomial (Odd) _____



Linear _____



Radical (odd) _____



Logarithm _____

