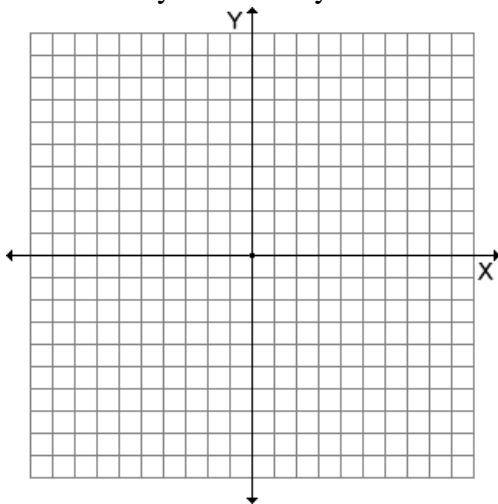# Families of Graphs - Parent Functions

Name:_____**Date:**_____**Per:**_____

Constant Linear Functions are functions where y = to a constant value. For example: y = 3, y = -1, etc.
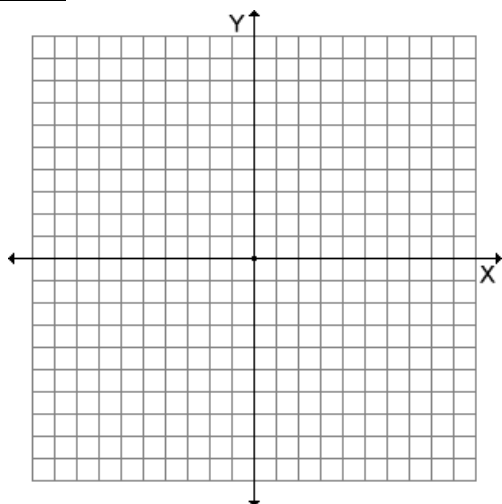These equations can also be written as y – 3 = 0 or y + 1 = 0. The graph of these functions are Horizontal lines.

Graph: y-5 = 0 in red
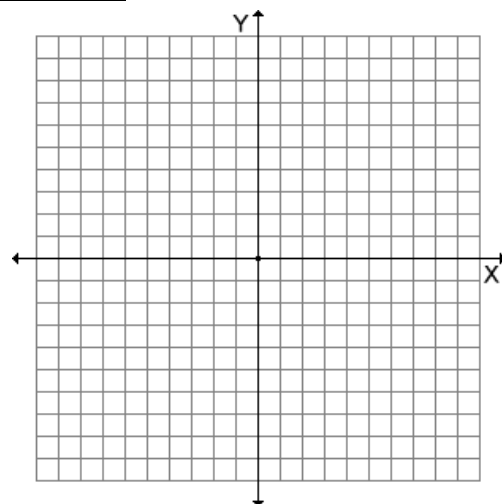   y+3 = 0 in blue.

Identity Function.

$y = x$

x	y

Quadratic Function

$y = x^2$

x	y

Cubic Function

$y = x^3$

x	y
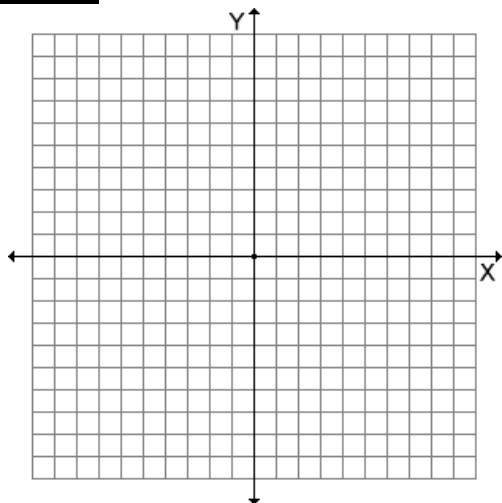
Cube Root Function

$f(x) = \sqrt[3]{x}$

x	y
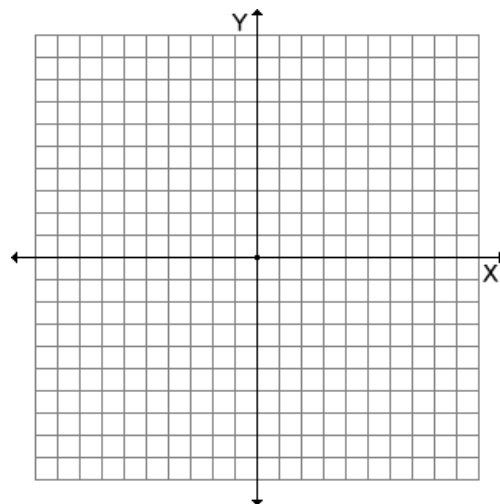
Square Root Function.
$$y = \sqrt{x}$$

x	y
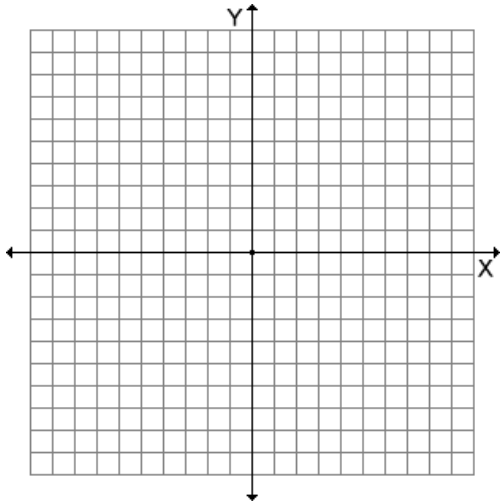
Absolute Value Function
$$y = |x|$$

x	y
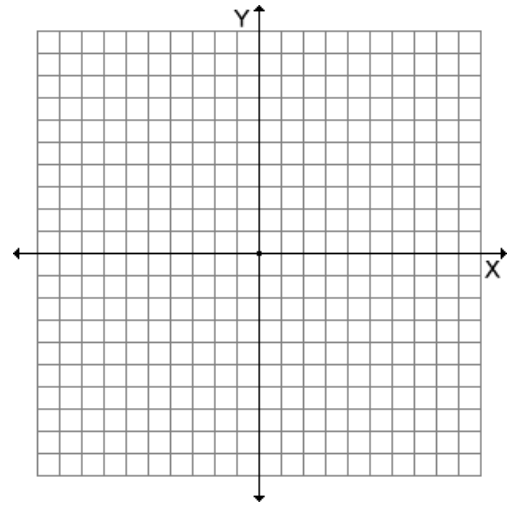
Rational Function
$$y = \frac{1}{x}$$

x	y
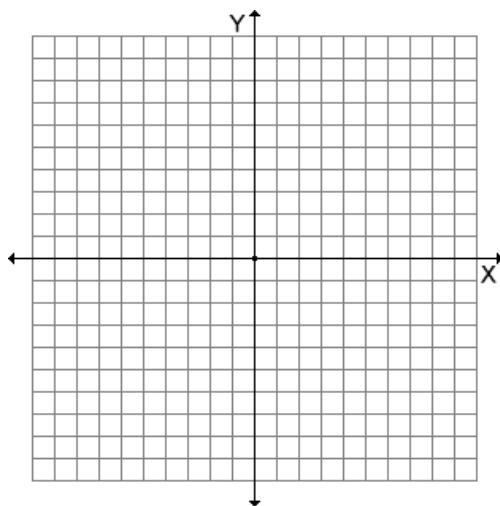
Greatest Integer Function --- Int(x)
$$f(x) = [[x]]$$

x	y