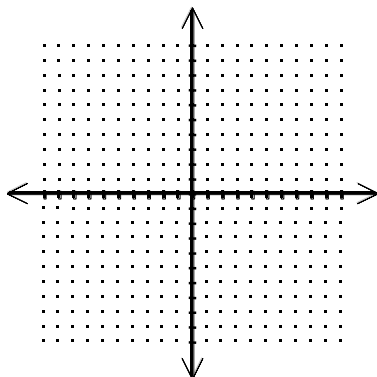# Families of Graphs - Graphing Functions

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

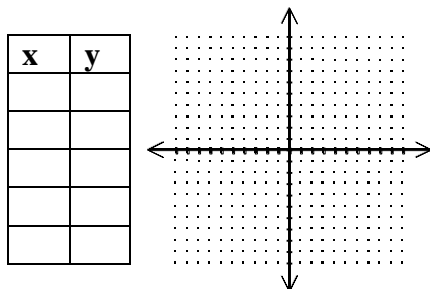**Constant Linear Functions** are functions where y = to a constant value. For example: y = 3, y = -1, etc.
These equations can also be written as y – 3 = 0 or y + 1 = 0. The graph of these functions are Horizontal lines.

Graph: y-5 = 0 in red
         y+3 = 0 in blue.
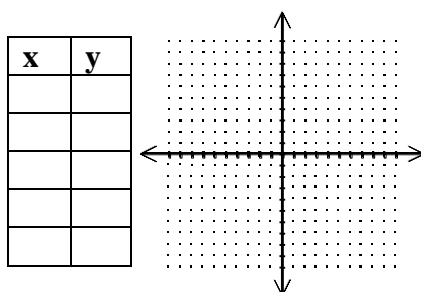
Identity Function.
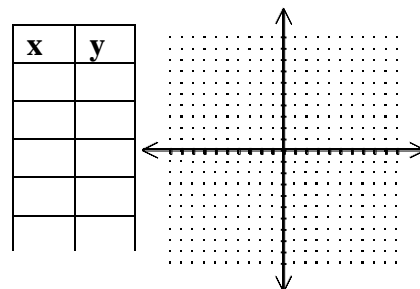$y = x$

x	y

Quadratic Function
$y = x^2$

x	y

Cubic Function
$y = x^3$

x	y

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

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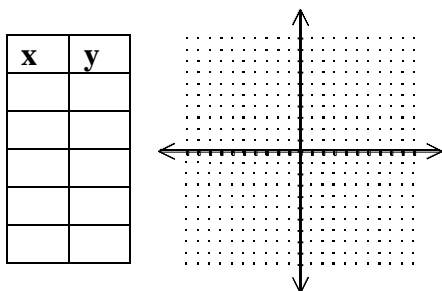
Absolute Value Function
$y = |x|$

x	y

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

x	y