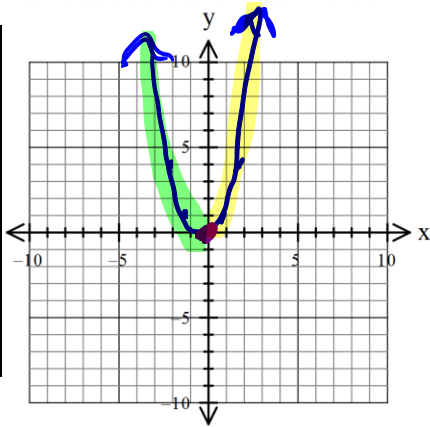


Parent Function #3

Name of Graph: quadratic

Equation: $y=x^2$ $f(x)=x^2$

x	$f(x)$
-2	4
-1	1
0	0
1	1
2	4



Key Features

Domain: $(-\infty, \infty)$

Range: $[0, \infty)$

x-intercept(s): $(0, 0)$

y-intercept: $(0, 0)$

Increasing: $(0, \infty)$

Decreasing: $(-\infty, 0)$

Constant: N/A

Positive: $(-\infty, 0) \cup (0, \infty)$

Negative: N/A

Maximums / Minimums $(0, 0)$

Symmetry: even

End Behavior:

$$\lim_{x \rightarrow -\infty} f(x) = \infty$$

$$\lim_{x \rightarrow \infty} f(x) = \infty$$

Shape of Graph: _____

Vertex: _____

Standard form: _____

Inverse function: _____

Transformation general equation: _____

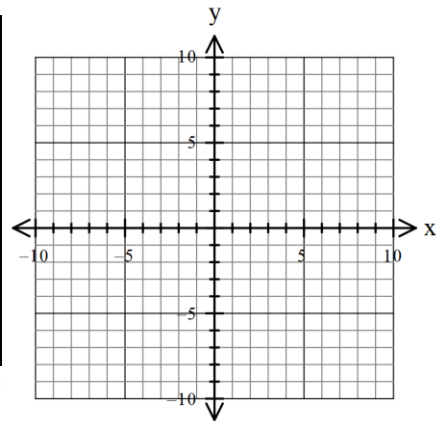
Vertex form: _____

Parent Function #3

Name of Graph: _____

Equation: _____

x	$f(x)$



Key Features

Domain: _____

Range: _____

x-intercept(s): _____

y-intercept: _____

Increasing: _____

Decreasing: _____

Constant: _____

Positive: _____

Negative: _____

Maximums / Minimums _____

Symmetry: _____

End Behavior: _____

$$\lim_{x \rightarrow -\infty} f(x) =$$

$$\lim_{x \rightarrow \infty} f(x) =$$

Shape of Graph: _____

Vertex: _____

Standard form: _____

Inverse Function: _____

Transformation general equation: _____

Vertex form: _____

Steps for solving a quadratic equation:

QUADRATIC EQUATION

How to Find the Vertex:

Steps for solving a quadratic equation:

QUADRATIC EQUATION

How to Find the Vertex: