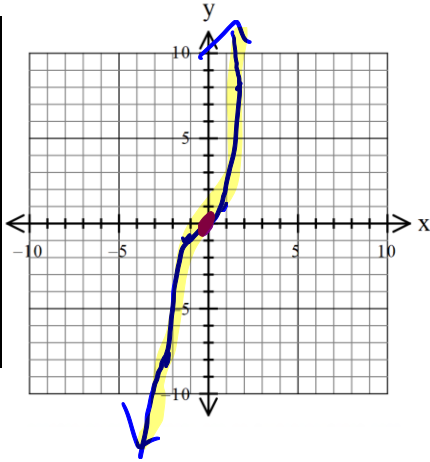


Parent Functions #5

Name of Graph: cubic

Equation: $y = x^3$ $f(x) = x^3$

x	$f(x)$
-2	-8
-1	-1
0	0
1	1
2	8



Key Features

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

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

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

y-intercept: $(0, 0)$

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

Decreasing: N/A

Constant: N/A

Positive: $(0, \infty)$

Negative: $(-\infty, 0)$

Maximums / Minimums N/A

Symmetry: odd

End Behavior:

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

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

Transformation general equation:

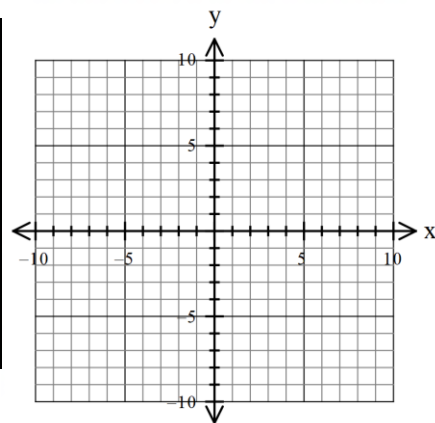
Inverse function:

Parent Functions #5

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:

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

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

Transformation general equation:

Inverse function:

Steps for solving a cubic equation:

Steps for solving a cubic equation: