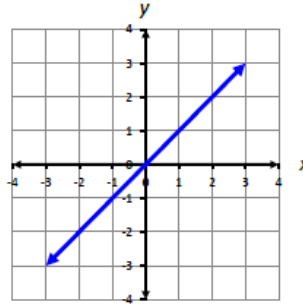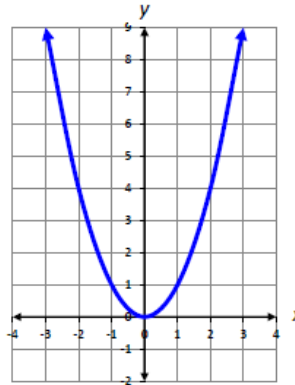# Parent Functions
(Linear, Quadratic)

Linear

$f(x) = x$

Quadratic

$f(x) = x^2$
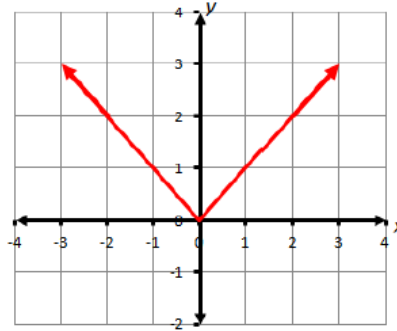
Parent Functions

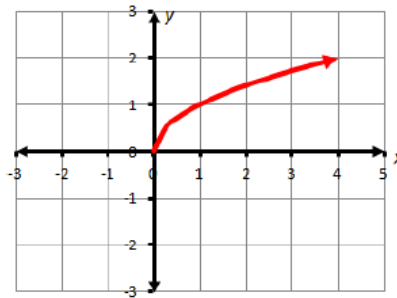## (Absolute Value, Square Root)

Absolute Value

$f(x) = |x|$

Square Root
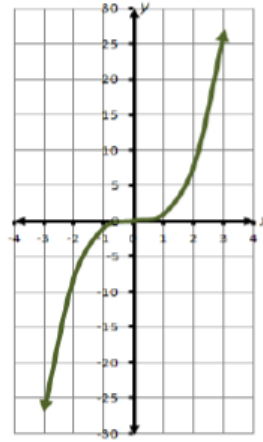
$f(x) = \sqrt{x}$

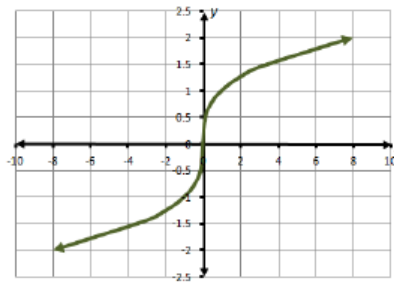# Parent Functions
(Cubic, Cube Root)
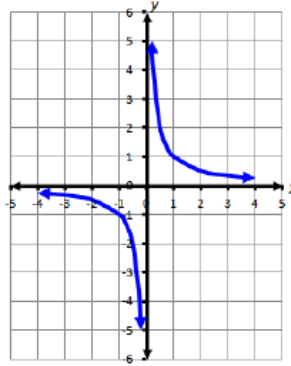
Cubic

$$f(x) = x^3$$

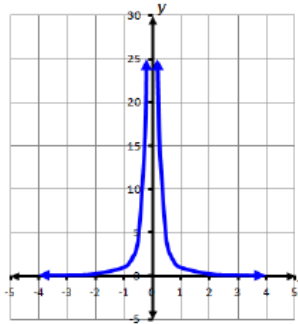Cube Root

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

Parent Functions
(Rational)

$$f(x) = \frac{1}{x}$$
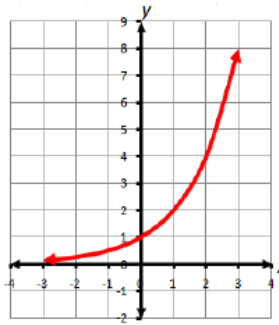

$$f(x) = \frac{1}{x^2}$$

Parent Functions
(Exponential, Logarithmic)

Exponential

$$f(x) = b^x$$

b > 1

Logarithmic

$$f(x) = \log_b x$$

b > 1