Basic Toolkit of Functions

Constant:

$$f(x) = a$$



$$y = a$$

Identity:

$$f(x) = x$$

$$y = x$$

Reciprocal:

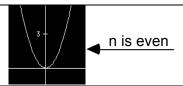
$$f(x) = \frac{1}{x}$$



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

Quadratic:

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



Power:

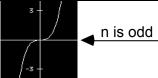
$$f(x) = \emptyset$$

n is even or odd

$$y = \Re$$

Cubic:

$$f(x) = \frac{3}{3}$$



$$y = 3$$

Greatest Integer:

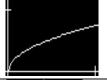
$$f(x) = [x]$$



$$y = [x]$$

Square Root:

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



$$y = \sqrt{X}$$

Absolute Value:

$$f(x) = |x|$$



$$y = |x|$$

Exponential:

$$f(x) = 3$$



$$y = a^{x}$$

Logarithmic:

$$f(x) = \log_h x$$



$$y = log_a x$$

Trigonometric:

$$f(x) = \sin x$$

$$f(x) = \cos x$$

$$f(x) = \tan x$$

$$y = \sin x$$

$$y = tan x y = cos x$$