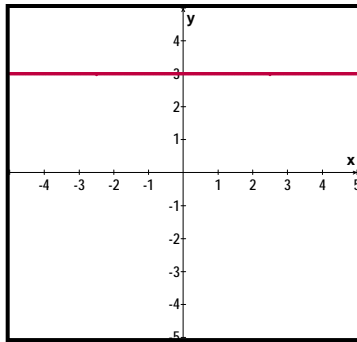
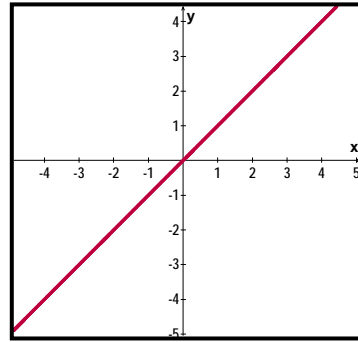


Parent Functions



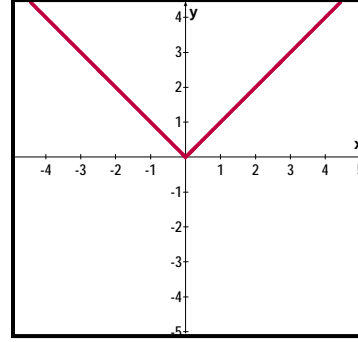
$$f(x) = a$$

Constant



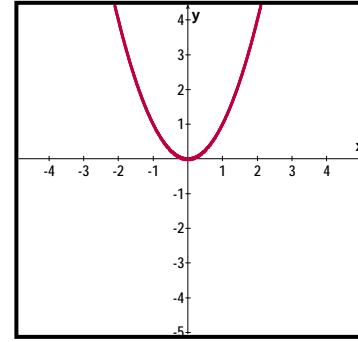
$$f(x) = x$$

Linear



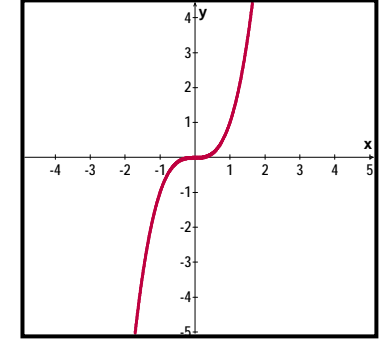
$$f(x) = |x|$$

Absolute Value



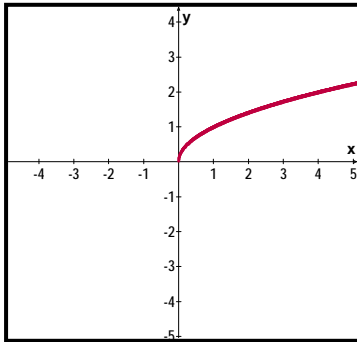
$$f(x) = x^2$$

Quadratic



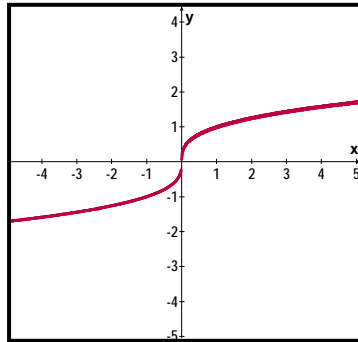
$$f(x) = x^3$$

Cubic



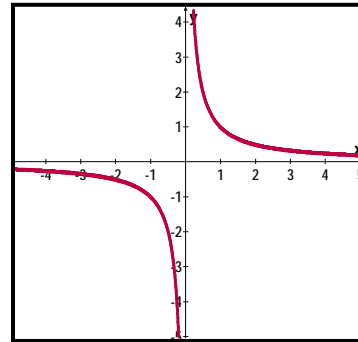
$$f(x) = \sqrt{x}$$

Square Root



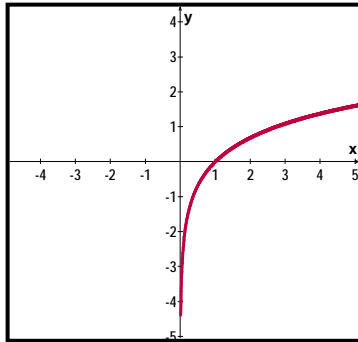
$$f(x) = \sqrt[3]{x}$$

Cube Root



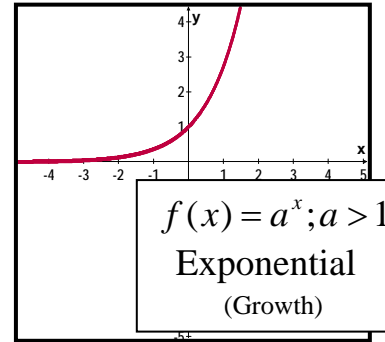
$$f(x) = \frac{1}{x}$$

Reciprocal



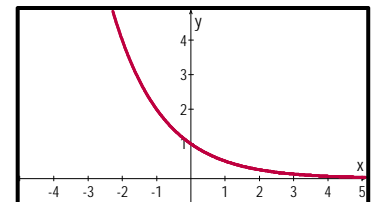
$$f(x) = \log_a x$$

Logarithmic



$$f(x) = a^x; a > 1$$

Exponential
(Growth)



$$f(x) = a^x; 0 < a < 1$$

Exponential
(Decay)