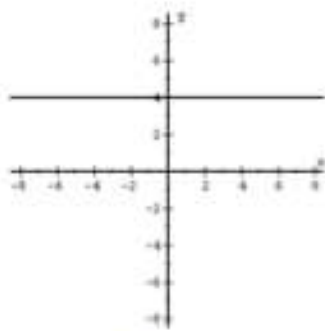
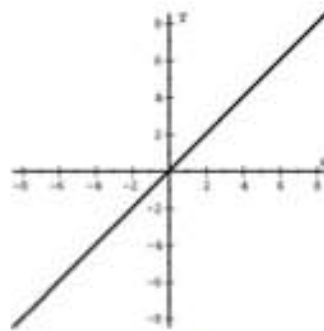


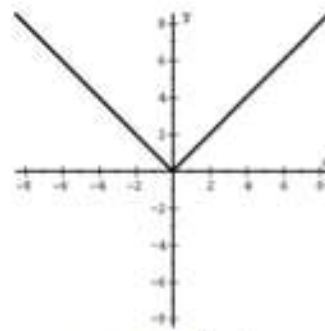
# PARENT FUNCTIONS



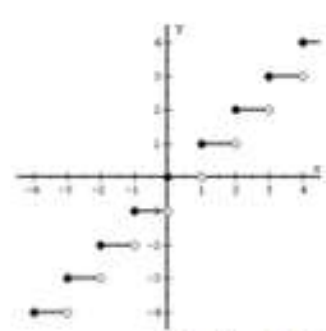
$f(x) = a$   
Constant



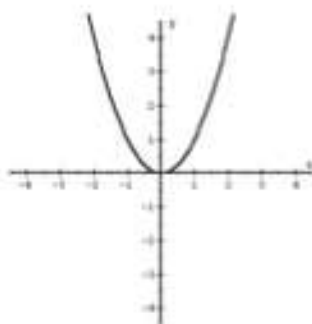
$f(x) = x$   
Linear



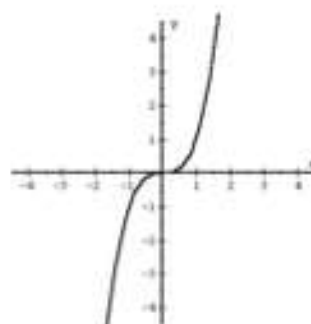
$f(x) = |x|$   
Absolute Value



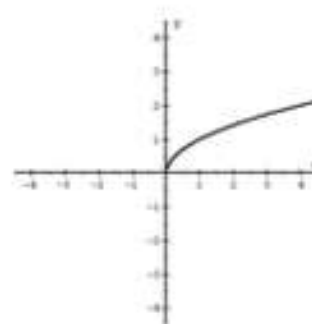
$f(x) = \text{int}(x) = [x]$   
Greatest Integer



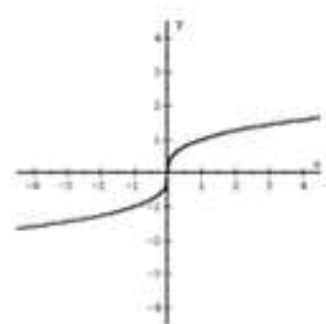
$f(x) = x^2$   
Quadratic



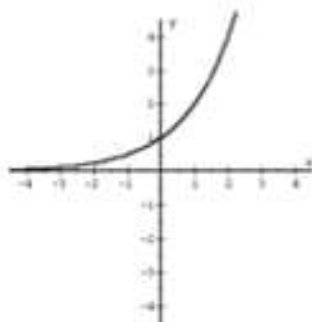
$f(x) = x^3$   
Cubic



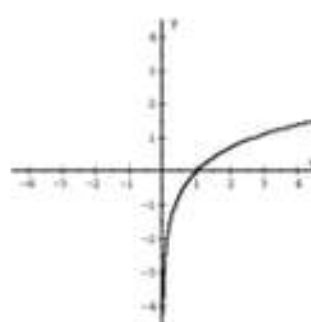
$f(x) = \sqrt{x}$   
Square Root



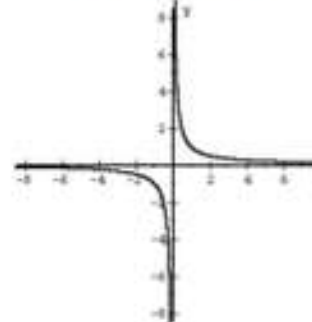
$f(x) = \sqrt[3]{x}$   
Cube Root



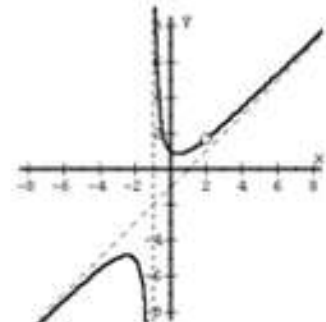
$f(x) = a^x$   
Exponential



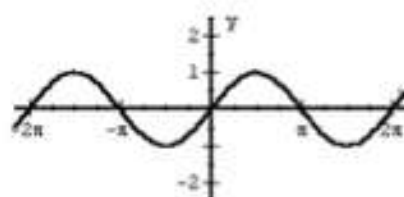
$f(x) = \log_a x$   
Logarithmic



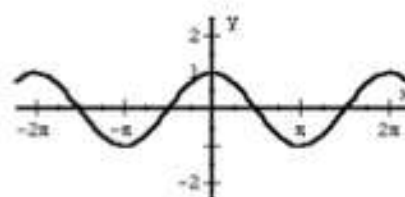
$f(x) = \frac{1}{x}$   
Reciprocal



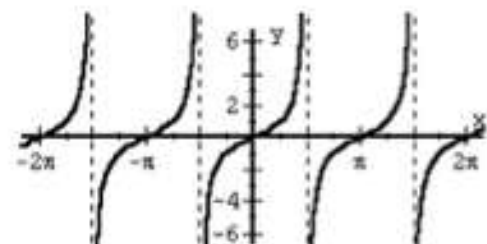
$f(x) = \frac{(x^2 + 1)(x - 2)}{(x + 1)(x - 2)}$   
Rational



$f(x) = \sin x$



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



$f(x) = \tan x$