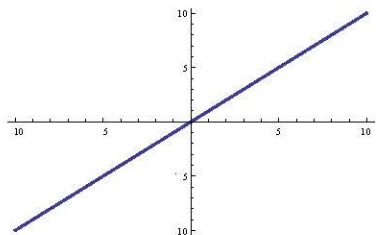
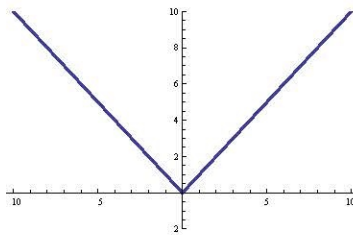


# Graphs of Basic Functions

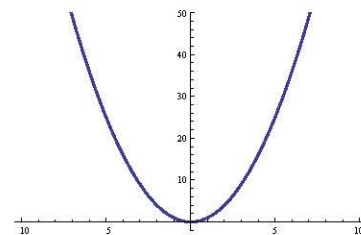
Linear Function  
 $y = x$



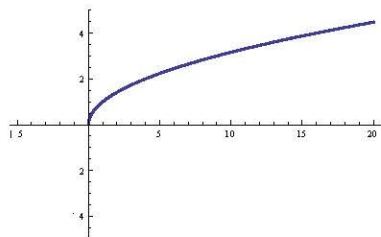
Absolute Function  
 $y = |x|$



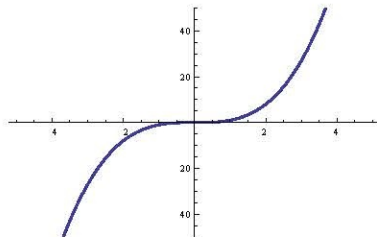
Quadratic Function  
 $y = x^2$



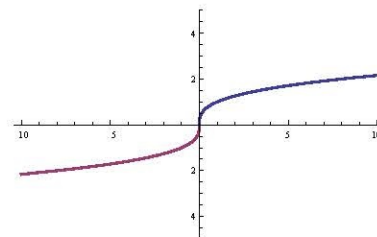
Square Root Function  
 $y = \sqrt{x}$



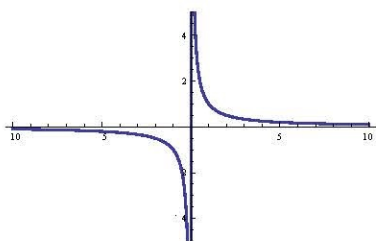
Cube Function  
 $y = x^3$



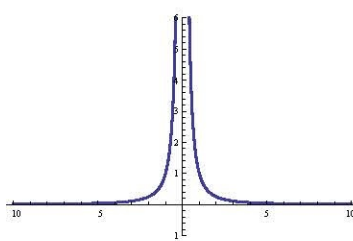
Cube Root Function  
 $y = \sqrt[3]{x}$



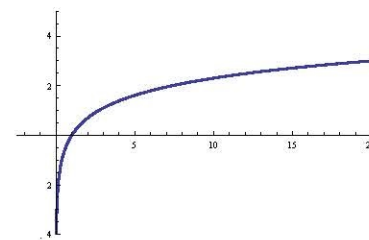
Rational Function  
(odd exponent)  
 $y = \frac{1}{x}$



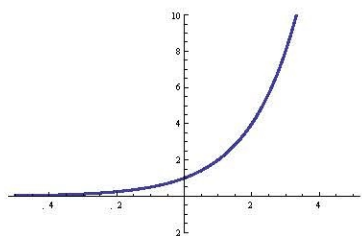
Rational function  
(even exponent)  
 $y = \frac{1}{x^2}$



Log Function  
 $y = \log x$  and  $x > 0$



Exponential Function  
 $y = a^x$  if  $a > 1$



Exponential Function  
 $y = a^x$  if  $0 < a < 1$

