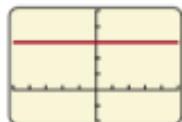


A Library of Functions

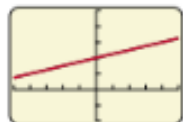
Constant Function

$$y = b$$



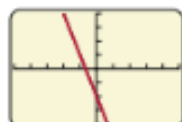
Linear Function

$$y = mx + b, m > 0$$



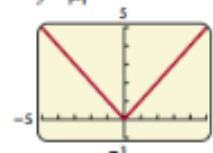
Linear Function

$$y = mx + b, m < 0$$



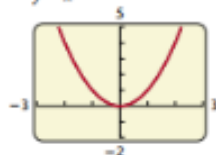
Absolute Value Function

$$y = |x|$$



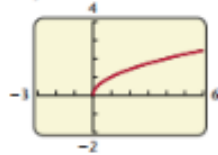
Squaring Function

$$y = x^2$$



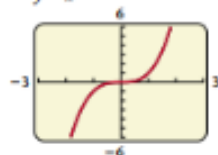
Square Root Function

$$y = \sqrt{x}$$



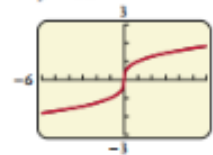
Cubing Function

$$y = x^3$$



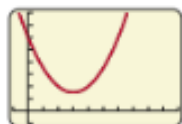
Cube Root Function

$$y = \sqrt[3]{x}$$



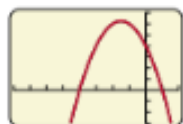
Quadratic Function

$$y = ax^2 + bx + c, a > 0$$



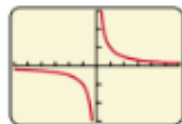
Quadratic Function

$$y = ax^2 + bx + c, a < 0$$



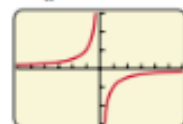
Rational Function

$$y = \frac{a}{x}, a > 0$$



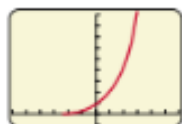
Rational Function

$$y = \frac{a}{x}, a < 0$$



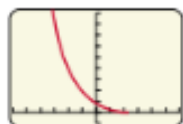
Exponential Function

$$y = a^x, a > 1$$



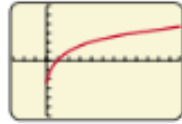
Exponential Function

$$y = a^x, 0 < a < 1$$



Logarithmic Function

$$y = \log_b x, b > 1$$



Logarithmic Function

$$y = \log_b x, 0 < b < 1$$

