

$$e^x$$

$$e^{-x}$$

$$e^x$$

$$e^{2x}$$

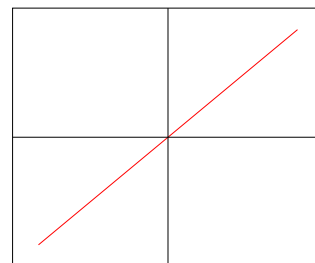
$$e^{-x}$$

$$10e^{-x}$$

$$e^x$$

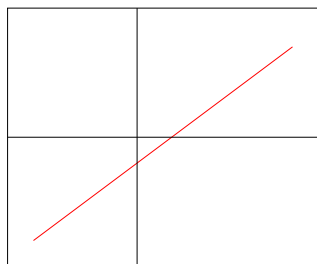
$$\ln x$$

$$y = |x|$$



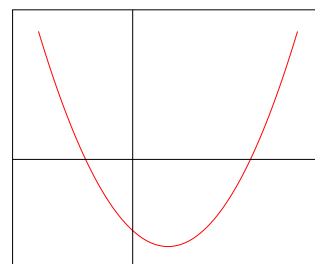
$$y = x$$

$$y = |3x - 2|$$



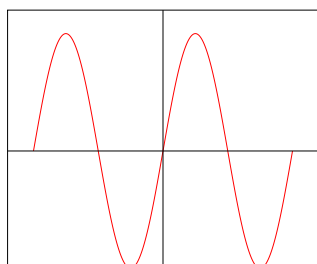
$$y = 3x - 2$$

$$y = |x^2 - 3x - 10|$$



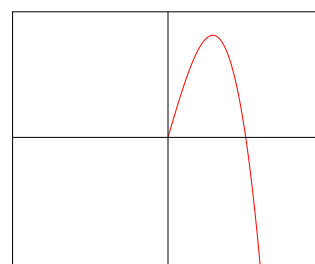
$$y = x^2 - 3x - 10$$

$$y = |\sin(x)|$$

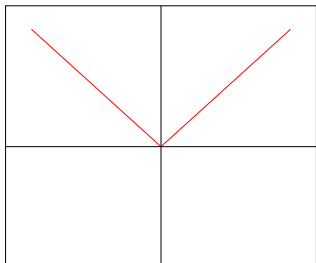
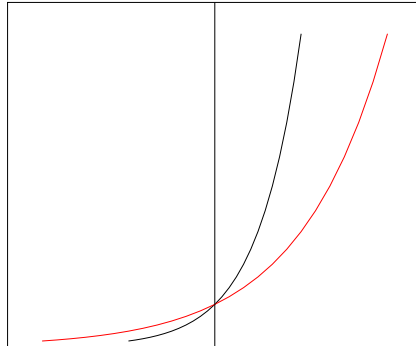
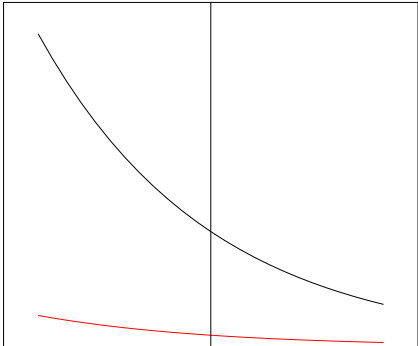
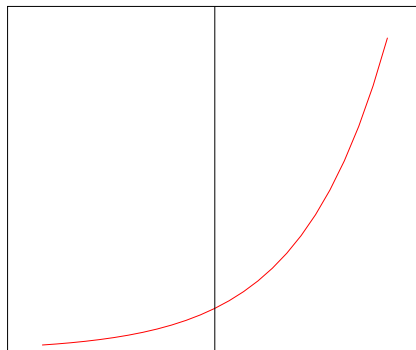
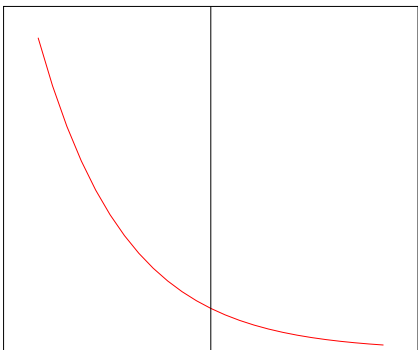


$$y = \sin(x)$$

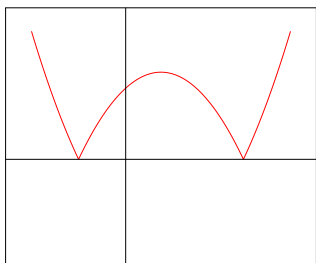
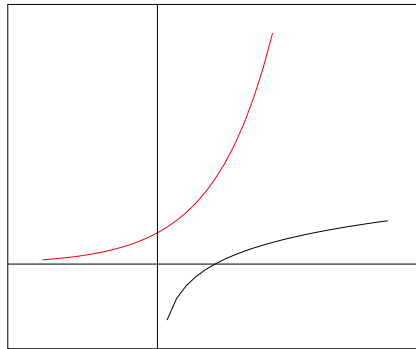
$$y = 4|x| - |x|^3$$



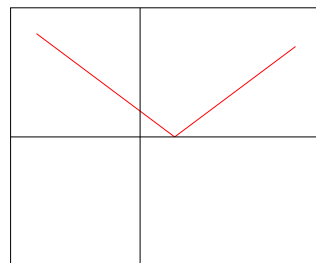
$$y = 4x - x^3, x \geq 0$$



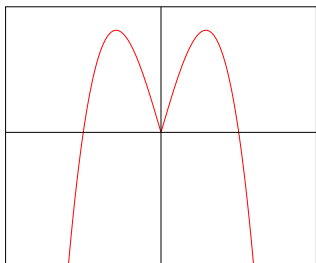
$$y = |x|$$



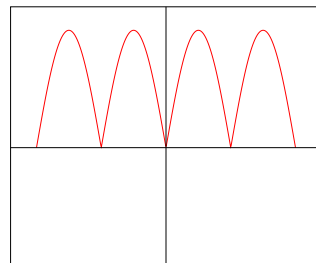
$$y = |x^2 - 3x - 10|$$



$$y = |3x - 2|$$



$$y = 4|x| - |x|^3$$



$$y = |\sin(x)|$$

$$f(x+a)$$

$$f(x)+a$$

$$f(ax)$$

$$f(-x)$$

$$af(x)$$

$$-f(x)$$

$$\sec \theta$$

$$\csc \theta$$

$$\cot \theta$$

Graph of $\sec \theta$

Vertical translation of
 $+\mathbf{a}$

Horizontal translation
of $-\mathbf{a}$

Reflection in the
 \mathbf{y} **axis**

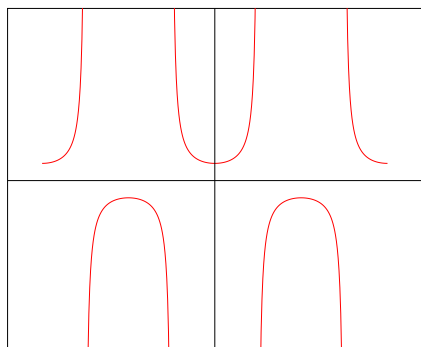
Horizontal stretch of
scale factor $\frac{1}{\mathbf{a}}$

Reflection in the
 \mathbf{x} **axis**

Vertical stretch of scale
factor \mathbf{a}

$$\frac{1}{\sin \theta}$$

$$\frac{1}{\cos \theta}$$



$$\frac{1}{\tan \theta} = \frac{\cos \theta}{\sin \theta}$$

Graph of $\csc \theta$

Graph of $\cot \theta$

$$\sec^2 \theta$$

$$\csc^2 \theta$$

Graph of $\arcsin \theta$

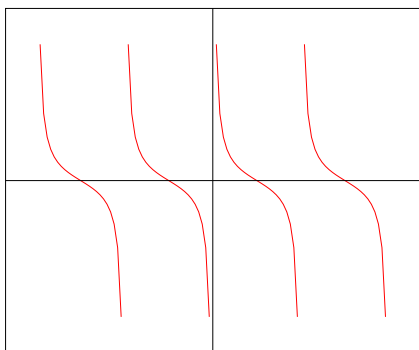
Graph of $\arccos \theta$

Graph of $\arctan \theta$

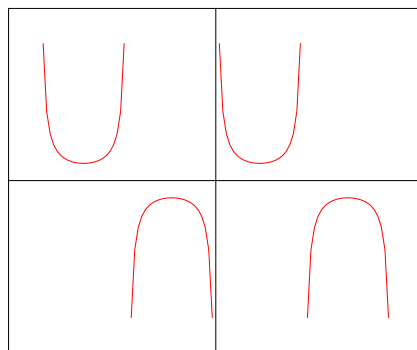
$$y = [f(x)]^n$$

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

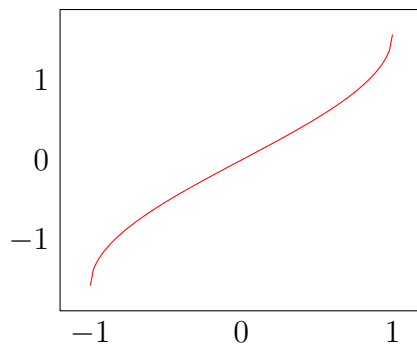
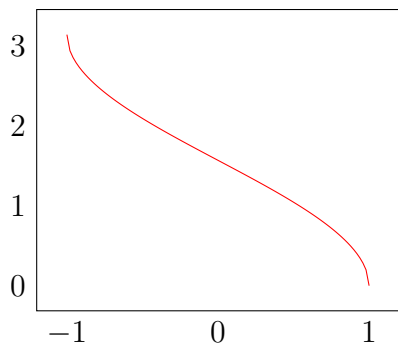
$$y = uv$$



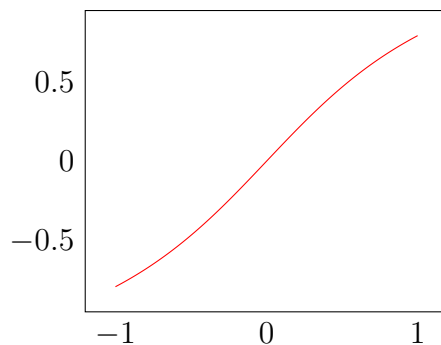
$$1 + \cot^2 \theta$$



$$1 + \tan^2 \theta$$



$$\frac{dy}{dx} = n[f(x)]^{n-1}f'(x)$$



$$\frac{dy}{dx} = u \frac{dv}{dx} + v \frac{du}{dx}$$

$$\frac{dy}{dx} = f'[g(x)]g'(x)$$