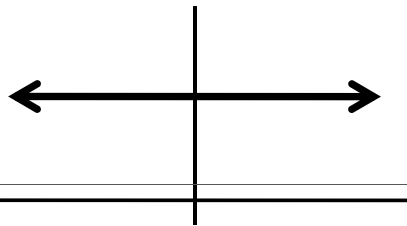
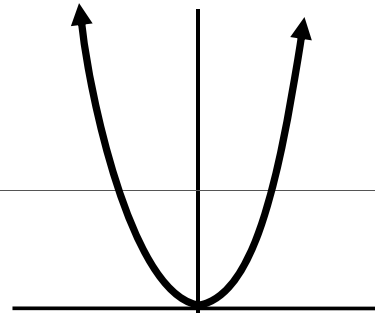


$$f(x) = \text{a number}$$



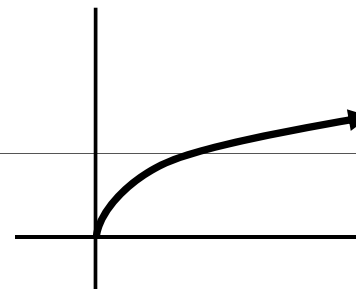
Domain:  $(-\infty, \infty)$   
Range: the number

$$\text{Parabola: } f(x) = x^2$$



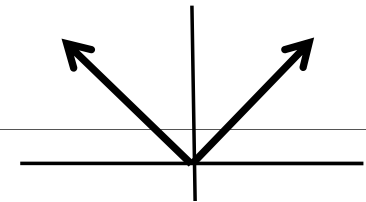
Domain:  $(-\infty, \infty)$   
Range:  $[0, \infty)$

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



Domain:  $[0, \infty)$   
Range:  $[0, \infty)$

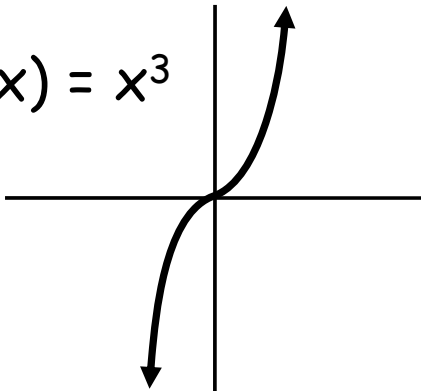
$$f(x) = |x|$$



Domain:  $(-\infty, \infty)$   
Range:  $[0, \infty)$

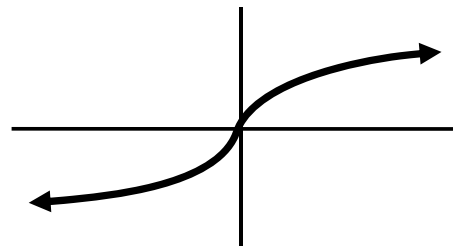
## Library Function Graphs

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



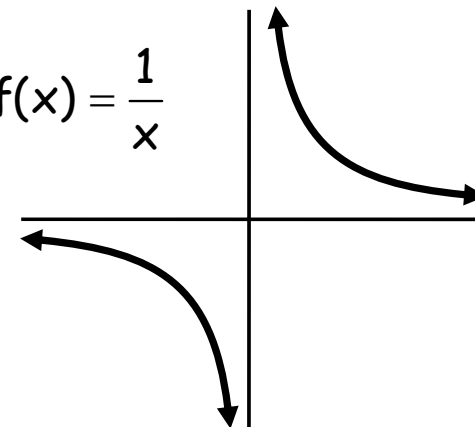
Domain:  $(-\infty, \infty)$   
Range:  $(-\infty, \infty)$

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



Domain:  $(-\infty, \infty)$   
Range:  $(-\infty, \infty)$

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



Domain:  $(-\infty, 0) \cup (0, \infty)$   
Range:  $(-\infty, 0) \cup (0, \infty)$

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