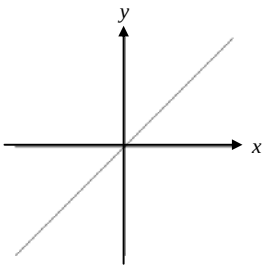
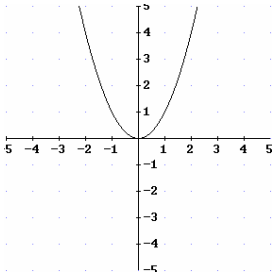
Twelve Basic Functions



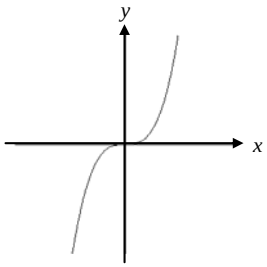
Domain:
Range:
Other Properties:

f(x) = x



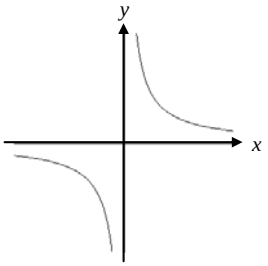
Domain:
Range:
Other Properties:

$f(x) = x^2$



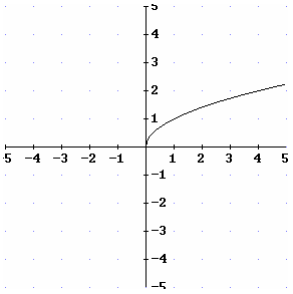
Domain:
Range:
Other Properties:

$f(x) = x^3$



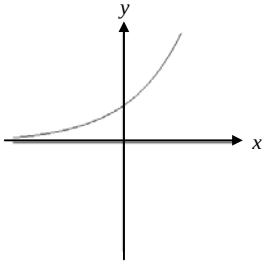
Domain:
Range:
Other Properties:

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



Domain:
Range:
Other Properties:

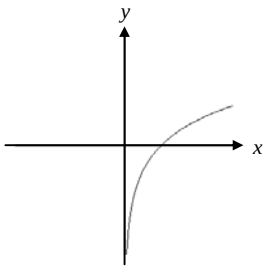
$f(x) = \sqrt{x}$



Domain:
Range:
Other Properties:

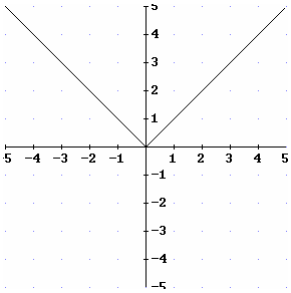
$f(x) = e^x$

Domain:
Range:
Other Properties:



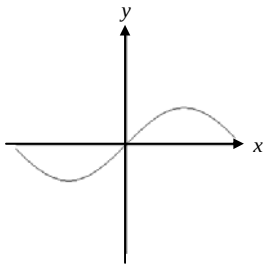
f(x) = ln x

Domain:
Range:
Other Properties:



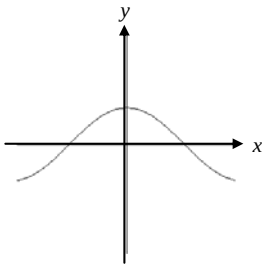
f(x) = |x|

Domain:
Range:
Other Properties:



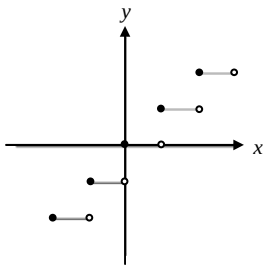
f(x) = sin x

Domain:
Range:
Other Properties:



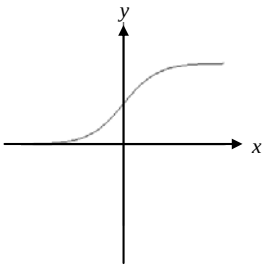
f(x) = cos x

Domain:
Range:
Other Properties:



f(x) = $\lfloor x \rfloor$ = int(x)

Domain:
Range:
Other Properties:



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

Piecewise Graphs:

$$f(x) = \begin{cases} x^2 \; if \; x \le o \\ \sqrt{x} \; if \; x > 0 \end{cases}$$