The Constant Function

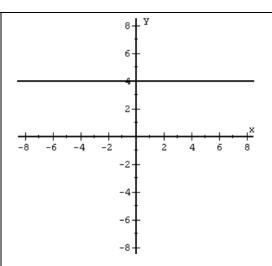
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain:

Range: _____



The Linear Function

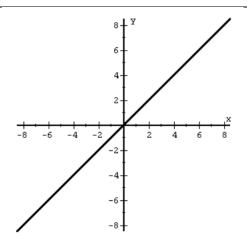
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain: _____

Range: _____



The Absolute Value Function

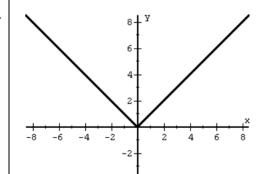
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain: _____

Range: _____



as a piece-wise function:

$$f(x) = \begin{cases} ----- \end{cases}$$

The Greatest Integer Function

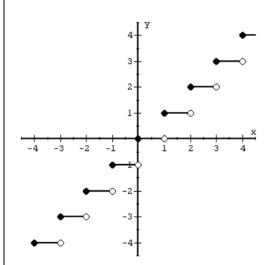
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain: _____

Range:



The Quadratic Function

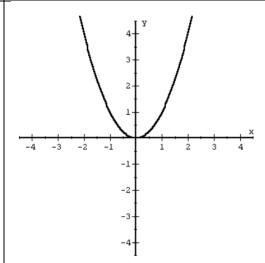
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain: _____

Range: _____



The Square Root Function

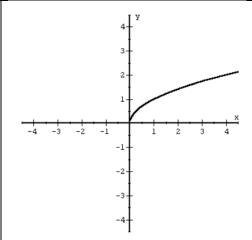
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain: _____

Range: _____



The Cubic Function

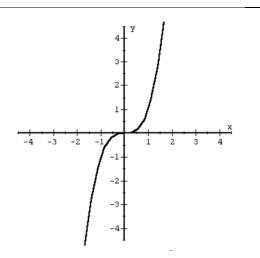
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain:

Range: _____



The Cube Root Function

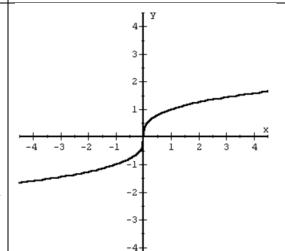
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain: _____

Range: _____



The Exponential Growth Function

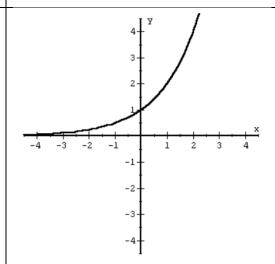
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain:

Range:



The Logarithmic Function

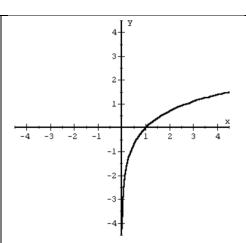
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain:

Range: _____



The Rational Function

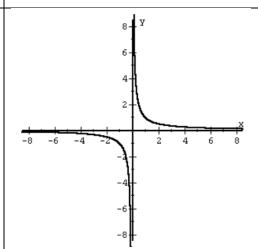
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain: _____

Range: _____



The Sine Function

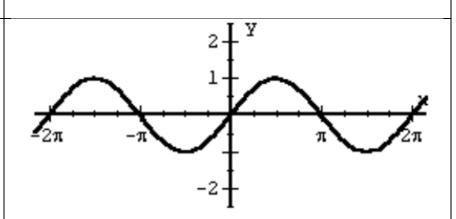
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain:

Range: _____



The Cosine Function

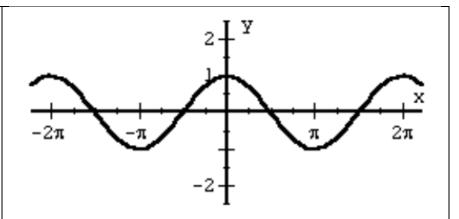
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain: _____

Range: _____



The Tangent Function

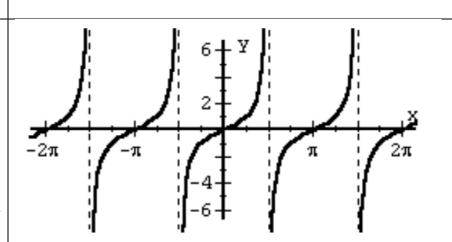
$$f(x) = \underline{\hspace{1cm}}$$

even or odd? _____

one to one? _____

Domain:

Range:



Graph the given piecewise functions:

1.
$$f(x) = \begin{cases} x^2, & x \le 0 \\ x+2, & x > 0 \end{cases}$$

2.
$$f(x) = \begin{cases} -2x & \text{if } x < -1 \\ 3x^2 - 1 & \text{if } -1 \le x \le 1 \\ -2(x-1)^3 & x > 1 \end{cases}$$

