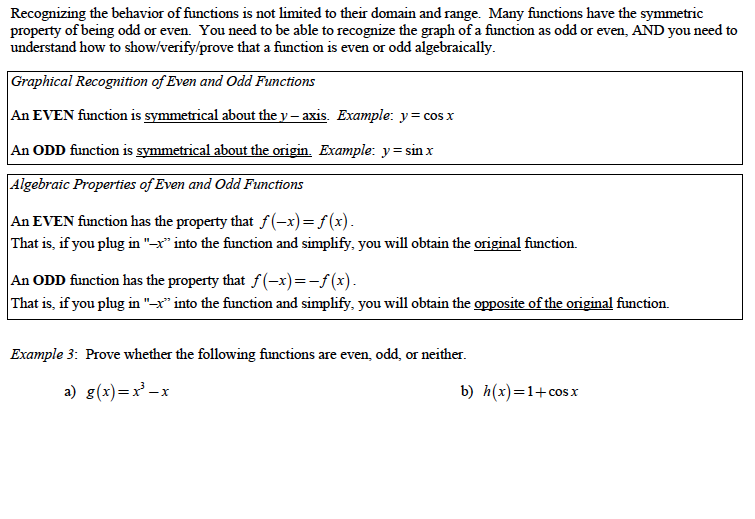
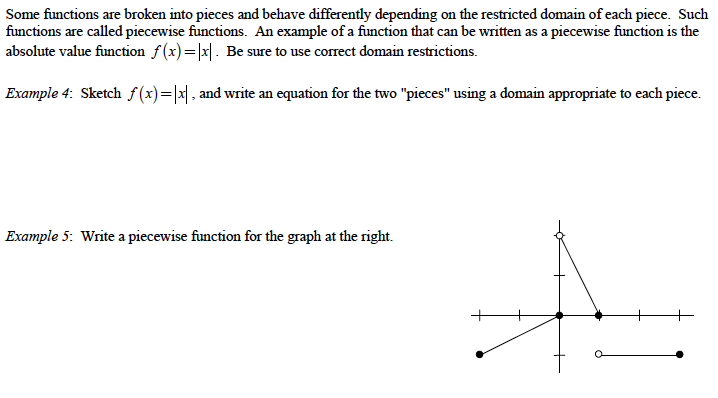
Additional Prerequisites for Calculus

1. **Even and Odd functions:**

  
  
  
  
  
  
  
 c) d)

1. **Piecewise functions:**



Hwk: worksheet + p 19 # 21 - 34

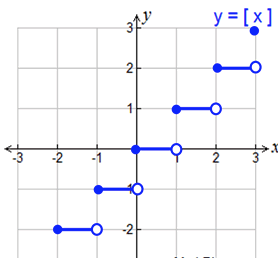
1. **One to one functions:**

  
  
 Note: A function that is always increasing\* is one to one.  
 A function that is always decreasing\* is one to one.

Hwk: worksheet + p 44 # 1 – 6,13 – 24,52,53  
 extend: p 45 # 59,60,62.

1. **Trigonometric inverse functions:**        
      
     
2. **The Greatest Integer Function:**The Greatest Integer Function is denoted by y = [x] or .

For all real numbers, x, the **greatest integer function** returns the largest integer   
less than or equal to x. In essence, it rounds down a real number to the nearest integer.  
  
For example:   [1] = 1      [1.5] = 1      [3.7] = 3      [4.3] = 4  
Beware!    [-2] = -2      [-1.6] = -2      [-2.1] = -3      [-5.5] = -6



1. **Usual shapes areas and volumes:**

