Graphing Piecewise Functions

Graph each piecewise function and label the intercepts. Identify the domain and range. Write the intervals where the function is increasing, decreasing, and/or constant.

**1)** 

 Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 increasing: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

decreasing: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 constant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2)** 

 Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 increasing: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

decreasing: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 constant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3)** If  is a continuous function, and  is a discontinuous function. What do you think it means for a graph to be continuous? 