

Math 1513 - College Algebra

Quiz #10 - 2011.09.20

Name: _____

1. What makes a piecewise function a piecewise function? Give an example.

2. Sketch the graph of a function $f(x)$ which satisfies the following properties:

- The domain of $f(x)$ is $[-10, 10)$
- The function is positive and decreasing on $[-10, -5)$
- $f(-5) = 0$
- The function is constant on $[-5, 0]$
- $f(0) = 0$
- The function is negative on $(0, 5)$
- The function is decreasing on $(0, 3)$
- The function is increasing on $(3, 10)$
- The function is positive on $(5, 10)$