Name: _____

Quiz 2

Math 251

You have 20 minutes to complete this quiz. When you're finished, first check your work if there is time remaining, then turn it in. You may use your class notes (i.e. not the online notes), and a scientific calculator, but not a graphing one. You may not consult other people or the internet. **Show all your work.**

1. (4 points) Let $f(x)$ be a function. What is the definition of f being continuous at $x = a$? Your answer should be an equation involving a limit.

2. (8 points) Evaluate $\lim\limits_{t \to 1} \dfrac{\sqrt{t} - 1}{1 - t}$ without using a table of values.

3. (8 points) Label each discontinuity of the function graphed below and classify each as removable, jump, infinite, or other.