Quiz 3
June 3, 2010

Name: _____

Directions: Show all work for full credit. Clearly indicate all answers. Simplify all mathematical expressions completely. Each part of each question is worth 8 points.

1. Solve the following equation for *s*:

$$\left|\frac{2s+3}{5}\right|=5$$

2. Determine whether the following relation is a function.

Input Value	Output Value
4	2
7	4
9	6
7	8
4	10

3. Let $f(x)=\dfrac{3x}{x-5}$. Calculate and simplify $f(2)$.

4. Consider the following points: (-2, -3), (4, 2)

      a. Plot and label the points on the coordinate plane.

      b. Find the distance between the points.