

Quiz 7
July 8, 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 10 points.

1. Combine the following and simplify:

a. $\frac{5}{4x} - \frac{3}{5}$

b. $25 + \frac{10}{x+4}$

2. Simplify the following complex fraction:

$$\frac{\left(\frac{25x^2}{x-5}\right)}{\left(\frac{10x}{5+4x-x^2}\right)}$$

3. Evaluate the following:

$$\left(\frac{121}{9}\right)^{-1/2}$$