

Math 206 - Quiz 1

August 25, 2010

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary. DO NOT USE A CALCULATOR FOR ANY PART OF THIS QUIZ.

1. (1 point) Give the decimal form of a real number that is not rational. What is another name for this type of number?

2. (1 point) Give an example of an integer that is not a whole number. Give an example of a rational number that is not an integer.

3. (1 point) Write in expanded form and then in standard decimal form:

$$\frac{501067}{100000}$$

4. (1 point) One fraction below has a terminating decimal form and one has a repeating decimal form. Without doing division, state which is which and explain how you know.

$$\frac{1111}{600}$$

$$\frac{189}{350}$$

5. (1 point) Write $1.8\overline{56}$ as a fraction in lowest terms.