Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sect \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

RATIONAL NUMBERS AND OPERATIONS QUIZ

Q: What did the pig say at the beach on a hot summer’s day?

A: Man, I’m bacon out here!

1. In its simplest definition, a rational number is any number that can be written as a

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 pt)

1. A fraction in its simplest form is referred to as being

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 pt)

Convert the following fractions to decimals: (2 pts each)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Convert the following decimals to fractions: (2 pts each)

7) .04 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8) .55 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) 2.85 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 10) .008 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve the following problems. Write the answers in simplest form: (2 pts each)

11) 12)

13) 14)

15) .864 ÷ .02 = \_\_\_\_\_\_\_\_\_\_\_\_ 16) Torii has a pound of cashews. She gives away ½ a pound to her brother. How many pounds does she have left?

Compare the following rational numbers: (˂, ˃, or =)

\_\_\_\_\_\_\_\_\_\_\_\_ .85 2.6 \_\_\_\_\_\_\_\_\_\_\_ 2

1 \_\_\_\_\_\_\_\_\_\_\_ 1.625 \_\_\_\_\_\_\_\_\_\_\_ .06