

6pts

1. If possible list the elements of each set or give a definition of the elements of set.
(Do NOT just give a few examples of the elements.)

- a. Integers

- b. Rational numbers

- c. Irrational numbers

3pts

2. Considering the three sets above, which of these sets of numbers are closed for division? _____

Explain:

2pts

3. a. List a rational number between 2.63636363... and 2.64646464...

b. List an irrational number between 2.63636363... and 2.64646464...

2pts

4. Use rules of exponents to simplify $(8)^{\frac{4}{3}}$. Show your steps to illustrate the rules you used.

2pts

5. Find the missing side in this right triangle. Show your work.

