**Rational and Irrational numbers**

**Write the following fractions as a decimal. Only include 3 decimal places.**

**1)** $\frac{2}{3}$ **2)** $\frac{3}{8}$ **3)** $\frac{28}{125}$

**Compare the two numbers. Rewrite using < , > or =**

**4) 1.25 and 1** $\frac{2}{3}$ **5) -4.7 and -5.2 6) 2** $\frac{7}{8}$ **and 2.66**

**7) In your own words describe a Rational number.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**8) Give 3 examples of Rational numbers. \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_**

**9) In your own words describe an Irrational number. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**10) Give 3 examples of Irrational numbers. \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_**

**Label the following as an Irrational (use the letter I) or a Rational number (use the letter Q).**

**11)** $\sqrt{2}$ **12)** $\sqrt{25}$ **13)** $\sqrt{120}$

**14) 18 15)** $\frac{48}{3}$ **16)** $\sqrt{14}$

**Locate the following numbers on the number line.**

**17) -** $\frac{2}{5} $ **18)** $ \sqrt{2}$ **19)** $\frac{3}{4}$ **20) 1.5**