PC11 Types of Numbers Assignment

Name: _____

1. Provide the mathematical symbol and examples of the following types of numbers:
   a. Natural

   b. Whole

   c. Integers

   d. Rational

   e. Real

   f. Enrichment: What is a complex number??

2. Rational or irrational?
   a. $\sqrt{7}$

   b. $\sqrt{9}$

   c. $\sqrt{\dfrac{16}{25}}$

   d. e

   e. 0

   f. $2.\overline{3}$

   g. 0.4

   h. 3.6

   i. $\sqrt{2.56}$

   j. π

2. Show that 0.02 is rational.

3. Rank from least to greatest: $3.5, \sqrt{16}, -20, \frac{10}{3}, 4.\overline{3}, \infty, 300\%$

4. Sketch $y = 2 - \frac{2}{3}x, \ x \in \mathbb{Z}^-$

5. Show that $0.\overline{6}$ is a rational number.