Name: _____

Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet
Irrational Numbers

A. Choose the letter of the correct answer.

1. What is the main difference between rational and irrational numbers?
   a. Rational numbers can be subjected to calculation, while irrational numbers cannot be subjected to calculation.
   b. Rational numbers are fractions, while irrational numbers are radical numbers.
   c. Rational numbers can be expressed as a quotient of two integers, while irrational numbers cannot be expressed as a quotient of two integers.
   d. Rational numbers mainly focus on division and multiplication, while irrational numbers focus on the addition and subtraction of decimal places.
2. All of the choices below are irrational numbers EXCEPT _____.
   a. 1
   b. π
   c. 1.237523…
   d. $\sqrt{3}$
3. A number can be both rational and irrational at the same time. The statement is_____ .
   a. false
   b. true
   c. partly true
   d. partly false

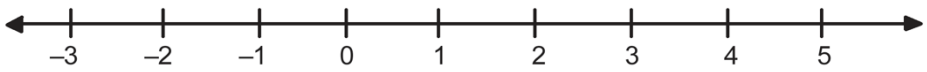
For items 4 and 5, consider the given below.

i. $\sqrt{5}$ ii. $\sqrt{9}$

4. $\sqrt{9}$ is an irrational number. The statement is _____.
   a. false
   b. true
   c. partly true
   d. partly false
5. Which of the two is/are irrational number/s?
   a. ii only
   b. i only
   c. both i and ii
   d. None of them

For items 6–8, plot the given irrational numbers below on the number line presented. (Appropriately label each irrational number.)

6. 3.462367…
7. $\sqrt{30}$
8. –2.2327564…



B. Approximate each irrational number.

1. $\sqrt{90}$ to the nearest tenth.

2. $\sqrt{0.6}$ to the nearest ten thousandth.