

Name: \_\_\_\_\_

Cycle 1 Week 6

### Math IX Study Guide Irrational numbers

CAN I:

● Show that irrational numbers are characterized by a nonterminating and non repeating decimal representation.

● Introduce the real number system and the real number line

\_\_\_\_\_ 1. The following vocabulary terms will be discussed during your course of study this week **real number**; **real number line**, **irrational numbers**, **approximate**

$2^2 = 4$ $2 \bullet 2 = 4$	$\sqrt{4} = 2$ What number times itself = 4?
$3^2 = 9$ $3 \bullet 3 = 9$	$\sqrt{9} = 3$ What number times itself = 9?
$4^2 = 16$ $4 \bullet 4 = 16$	$\sqrt{16} = 4$ What number times itself = 16?
$5^2 = 25$ $5 \bullet 5 = 25$	$\sqrt{25} = 5$ What number times itself = 25?
$6^2 = 36$ $6 \bullet 6 = 36$	$\sqrt{36} = 6$ What number times itself = 36?
$7^2 = 49$ $7 \bullet 7 = 49$	$\sqrt{49} = 7$ What number times itself = 49?
$8^2 = 64$ $8 \bullet 8 = 64$	$\sqrt{64} = 8$ What number times itself = 64?
$9^2 = 81$ $9 \bullet 9 = 81$	$\sqrt{81} = 9$ What number times itself = 81?

### Week 6 (September 22–26)

Complete the following homework activities (you will also have time to work on these activities during class):

\_\_\_\_\_ 4. **Monday Night Homework:** Math Book 1.4 Pg. 37 1–10 Odd; AND 1.5 Pg. 47 Problems 1–20 Odd Bring to class on Wednesday

\_\_\_\_\_ 5. **Tuesday Night Homework:** Khan Academy Operations with Rational Numbers Have completed online by Wednesday morning.

\_\_\_\_\_ 4. **Wednesday Night Homework:** Math Book Chapter Review Pg. 50–51 Problems 1–19 ODD

\_\_\_\_\_ 5. **Thursday Night Homework:** Khan Academy Multi-step rational number word problems

Complete the following in class:

\_\_\_\_\_ 1. Math Journal Entries

\_\_\_\_\_ 2. Vocabulary

\_\_\_\_\_ 3. In Class Activities

**Please turn in all work on dates listed. Anything not turned in on date listed gets half credit. Anything not turned in gets no credit.**

**NOTE: MATH TEST WILL BE ON MONDAY SEPTEMBER 29TH**