Math I Study Guide
Rational Numbers

CAN I:

● **Understand irrational numbers and how they fill the number line**

● **Use rational numbers to locate irrational numbers approximately on the number line.**

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

● **Introduce the real number system and the real number line**

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

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

Week 6 (September 22-26)

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

_____2. Monday Night Homework: **Math Book 1.3 Pg. 33 Problems 1-21 Odd**
                Bring to class on Wednesday.

_____3. Tuesday Night Homework: **Khan Academy Adding and subtracting negative fractions, decimals, and percents. AND Estimating Square Roots**

_____**4.** Wednesday Night Homework: **Math Book 1.4 Pg. 37 1-10 Odd; AND 1.5 Pg. 47 1-20 Odd**

_____5. Thursday Night Homework: **Khan Academy Operations with Rational Numbers**

Complete the following in class:

_____ 1. Math Journal Entries

_____ 2. Vocabulary

_____3. In Class Activities

NOTE: MATH TEST WILL BE ON MONDAY SEPTEMBER 29TH