Name Key Date _____ Pd ____

CYU Test Review #1

☑ *Use when you get it right all by yourself*

S *Use when you did it all by yourself, but made a silly mistake*

H *Use when you could do it alone with a little help from teacher or peer*

G *Use when you completed the problem in a group*

X *Use when a question was attempted but wrong (get help)*

N *Use when a question was not even attempted*

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED

Fill in each blank with one of the words or phrases listed below.

Set	Equation	Base
Denominator	Opposites	Numerator
Variable	Exponent	Reciprocals
Inequality symbols	Solution	
Grouping symbols	Absolute Value	

1. The symbols ≠, < and > are called inequality symbols.
2. A mathematical statement that two expressions are equal is called a(n) equation.
3. The absolute value of a number is the distance between that number and 0 on a number line.
4. A symbol used to represent a number is called a(n) variable.
5. Two numbers that are the same distance from 0 but lie on opposite sides of 0 are called opposites.
6. The number in a fraction above the fraction bar is called the numerator.
7. A(n) solution of an equation is a value for the variable that makes the equation a true statement.
8. Two numbers whose product is 1 are called reciprocals.
9. In 2^3, the 2 is called the base and the 3 is called the exponent.
10. The number in a fraction below the fraction bar is called the denominator.
11. Parentheses and brackets are examples of grouping symbols.
12. A(n) set is a collection of objects.

Look through your notes or on page 69 in your textbook and summarize or make a cheat sheet for your test covering the entire chapter.

1.2

natural, whole, integers, rational, irrational, & real
absolute value, number line
$=, \neq, >, <, \leq, \geq$

1.3

fractions, mixed #'s, improper fractions
simplest form

1.4

exponents
PEMDAS: order of operations
evaluate - expression Solve - equation

1.5

Add same sign Keep
different signs: subtract Keep bigger
opposites or additive inverses

1.6

Subtract is adding the opposite

1.7

quotient is $\div$

$0 = \frac{0}{K}$ $\frac{N}{0}$ = undefined

1.8

commutative: order
associative: grouping
reciprocals: flip
Identities: Add = 0
Multiply = 1

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.