\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-all the

numbers in our number system. Real numbers

include whole numbers, integers, and more.

Ex.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-any number or

numbers that make an equation true

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-endless, limitless

Equations can have one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

\_\_\_\_solution, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_solutions.

1. Equations with one solution look like the basic

math problems we’ve been doing since kindergarten

with only one difference. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

represents a known value or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ex.

2. Equations with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_solutions, or

all real numbers involve equations in which we have

two quantities that are \_\_\_\_\_\_\_\_\_. Since both

quantities are equal, we can put any number in for the

variable, and the equation will still be\_\_\_\_\_. When the

variables drop out, we are left with the \_\_\_\_\_\_\_\_\_

number on both sides of the equal sign.

Ex.

3. Equations with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_solutions

Involve equations in which we have two quantities that

are not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Since the quantities aren’t

equal, there is no number that we can enter for the

variable to make the equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

When the variables drop out, we are left with

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ numbers on each side of the equal

sign.

Ex.