

BE-1A

MONDAY 8-27-07

① $(2)^2 = ?$

② $(-2)^2 = ?$

③ $(6)(2)^2(3) = ?$

④ $2 + 6(2)^2(3) = ?$

⑤. A. WHO WROTE THE BOOK THAT STARTED
THE SCIENCE OF ALGEBRA?

⑥ WHEN DID THIS PERSON LIVE? (APPROXIMATELY)

⑦ WHERE DID THIS PERSON LIVE?

- Review graded Quiz 2
(MAKEUP quizzes TO BE DONE NOW)
- Review graded HW 2
- INTRODUCTION TO Ch 1-3

$8 < 4$
$$8 = 4$$
 $8 > 4$
$$8 \geq 4$$

$=$ is the equality symbol

$\left. \begin{matrix} < \\ \leq \\ > \\ \geq \\ \neq \end{matrix} \right\}$ ARE INEQUALITY SYMBOLS
 $\uparrow$
 "NOT"

< less than Memory L
AID It looks closest
to the letter L
for LESS

> greater THAN

$\leq$ less THAN OR EQUAL

$\geq$ greater than or equal

READ, then STATE if true or false

$$5 < 6$$

$$5 \leq 6$$

$$5 \leq 5$$

$$5 > 5$$

$$\frac{1}{2} < \frac{1}{3}$$

$$\frac{1}{2} = 0.5$$

$$\frac{4}{8} = 0.5$$

$$\frac{1}{2} = \frac{4}{8}$$

$$0.3 < 0.\overline{3}$$

SET A COLLECTION OF THINGS.

In Algebra, this will usually be a collection of numbers

SET
NOTATION

HOW TO WRITE A SET:

use braces and separate the members of the set (or elements)

with commas. Use an ellipsis  to indicate "the pattern continues"

EX) What set is this:

$$\{0, 2, 4, 6, \dots\}$$

EX) If x has many values, say 1, 2, 3.

I can show this by writing

$$x = \{1, 2, 3\}$$

SAME AS $x=1$ AND $x=2$ AND $x=3$

46
How would you substitute if
you had THIS SET AND this
Equation?

$$N = \{3, 4, 5, 6, 7\}$$

$$6N + 7 = ?$$

MAKE A "T" table

N	$6N + 7 = ?$
3	$6(3) + 7 = 18 + 7 = 25$
4	$6(4) + 7 = 24 + 7 = 31$
5	$6(5) + 7 = 30 + 7 = 37$
6	$6(6) + 7 = 36 + 7 = 42$
7	$6(7) + 7 = 42 + 7 = 49$

HW: Read Ch 1-3 + "How DO I
GET BETTER"