

Beginning Algebra ~ Lesson 1

Work the following examples as you listen to the recorded lecture.

Symbols and Sets of Numbers

Real Numbers

Irrational Numbers

$$\sqrt{3}, \sqrt{2}, \pi$$

Rational Numbers

$$\left(\frac{1}{2}, -3, 0.15 \right)$$

Fractions
Decimals

Integers + Neg (... -3, -2, -1, 0, 1, 2, 3)

Whole Numbers

$$(0, 1, 2, 3 ...)$$

Natural Numbers

$$(1, 2, 3 ...)$$

Insert $<$, $>$, or $=$ to make the statement true:

Example 1: $-2 < 2$

Example 2: $\frac{18}{3} < \frac{24}{3}$

Example 3: $2.13674 > 2.136632$

Example 4: $|5| > -|4|$

Example 5: $3 > -5$

Example 6: $|0| < |8|$

\geq
 $-$

Translate:

$$5 \geq 4$$

Example 4: Five is greater than or equal to 4

$$-10 \neq 7$$

Example 5: Negative ten is not equal to 7.