

Name  
8/19/16 or  
8/22/16

Alg I

## Write Equations and Inequalities

I can translate  
verbal sentences  
into equations  
or inequalities.

Ch. 1 Quiz  
9/1 or 9/2

Equation: Mathematical sentence that includes an equal sign.

Inequality: Mathematical sentence that includes one of the following symbols:  $<$ ,  $\leq$ ,  $>$ , or  $\geq$ .

Open Sentence: An equation or inequality that includes an algebraic expression.

<u>Symbol</u>	<u>Meaning</u>	<u>Words</u>
1) $=$	is equal to	the same as
2) $<$	is less than	fewer than
3) $\leq$	is less than or equal to	at most, no more than
4) $>$	is greater than	more than
5) $\geq$	is greater than or equal to	at least, no less than

Example 1:

$$1) \frac{p}{12} \geq 30$$

Solution of the Equation/Inequality:

A true statement obtained by substituting a number for a variable.