

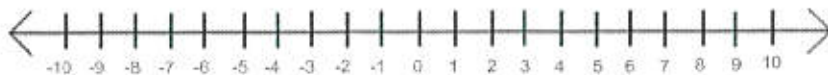
Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

# Inequalities - Guided Notes

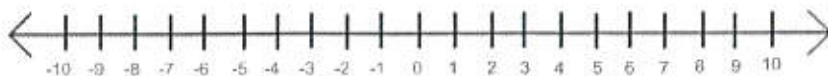
- \* An inequality is like an \_\_\_\_\_, except instead of one solution, \_\_\_\_\_ are possible.
- \* We use \_\_\_\_\_ symbols when dealing with inequalities
  - \_\_\_\_\_ means less than
  - \_\_\_\_\_ means greater than
  - \_\_\_\_\_ means less than or equal to
  - \_\_\_\_\_ means greater than or equal to
  - \_\_\_\_\_ means not equal
- \* Be cautious of negative numbers. A larger negative number is actually \_\_\_\_\_ than a smaller negative number. When in doubt, think in terms of \_\_\_\_\_.
- \* It is often helpful to graph solutions to inequalities on a \_\_\_\_\_.
- \*  $>$  and  $<$  symbols use an \_\_\_\_\_ point on the number line.
- \*  $\geq$  and  $\leq$  use a \_\_\_\_\_ point on the number line.

Guided Practice

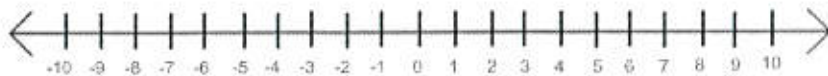
○  $3 > x$



○  $h \leq 3$



○  $y + 6 < 14$



○  $-6 + 9i \geq 30$



○  $4 \leq 2(n - 6)$

