

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# MATHEMATICAL INEQUALITY

Symbol =

What the symbol stands for  $p = q$  means  $p$  is equal to  $q$ .

Example  $6 + 1 = 7$

≠ Symbol

$p \neq q$  means  $p$  is not equal to  $q$ . So, it could either be greater than or less than  $q$ .

What the symbol stands for

Example  $6 + 1 \neq 8$

Symbol >

What the symbol stands for  $p > q$  means  $p$  is greater than  $q$ . For example,  $7 > 6$

Example  $x > 7$  implies that  $x$  can be any number greater than 7.

< Symbol

$p < q$  means  $p$  is less than  $q$ .

What the symbol stands for

Example  $x < 7$  implies that  $x$  can be any number less than 7

Symbol ≥

What the symbol stands for  $p \geq q$  means  $p$  is greater than or equal to  $q$ .

Example  $x \geq 7$  implies that  $x$  can be any number greater than or equal to 7

≤ Symbol

$p \leq q$  means  $p$  is less than or equal to  $q$ .

What the symbol stands for

Example  $x \leq 7$  implies that  $x$  can be any number less than or equal to 7