Name: _____ Date: _____

1) Number the number line. Write all positive numbers in black and all negative numbers in red.

2) What is the highest number on your number line? _____

3) What is the lowest number on your number lines? _____

4) Which is higher, -5 or -8? _____

5) Use the number line to compare the integers.

$4 \bigcirc -6$ $-4 \bigcirc -7$

$-3 \bigcirc 2$ $-1 \bigcirc -5$

6) Use the number line to order the integers from least to greatest.

$3, -7, 5, -4, 0$

$-4, -8, -3, -1, -6$

7) Compare using < or >

$4 \bigcirc -6$ $\quad -18 \bigcirc -12$

$-15 \bigcirc -10$ $\quad -17 \bigcirc 5$

$-125 \bigcirc -105$ $\quad -98 \bigcirc -89$

8) Order from least to greatest.

$-45, \quad 38, \quad -32, \quad 41, \quad -36$

$-4, \quad -4.6, \quad -3.9, \quad -3, \quad -3.5$

Name: _____

Graphing Inequalities

1. You cannot _____ all the solutions to an inequality like $x > 6$.

2. What area some solutions to the inequality $x > 6$?

3. The _____ of an inequality shows all the solutions of the inequality on a number line.

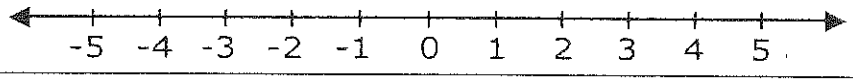
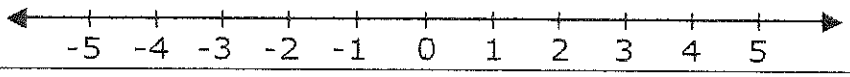
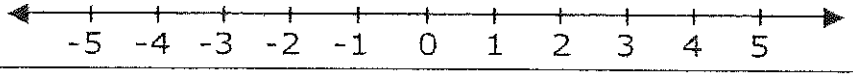
4. An _____ or _____ circle represent whether or not a number is included in the solution set.

	An open circle is used when the number is not a _____	
	A closed circle is used when a number is a _____	

5. To graph an inequality, first _____ the number on the number line with an open or closed circle.

6. Then, shade the numbers in that are _____.

7. Graph the inequalities below:

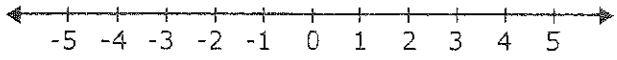
$g \leq 2$	
$f > 0$	
$4 \geq k$	

Name: _____

Practice: Graphing Inequalities

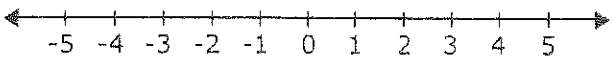
1. Graph the inequality:

$x > 2$



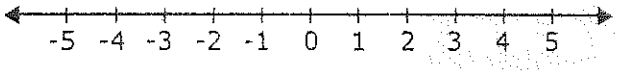
2. Graph the inequality:

$x \leq 3$



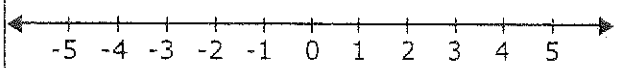
3. Graph the inequality:

$4 > d$

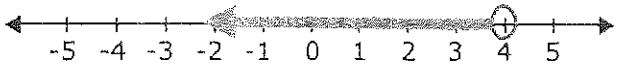


4. Graph the inequality:

$g \geq 1$

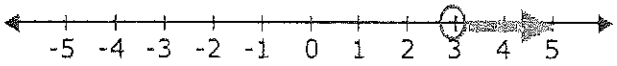


5. Write the inequality represented by the graph below:



6. Write the inequality represented by the graph below:

7. Write the inequality represented by the graph below:



8. Write an inequality represented by the graph below: