January 3, 2012

~~Get out your homework~~ - Cumulative Review

Corrected Monday

1/3 - Graphing Inequalities

$<$	*less than*
$>$	*greater than*
$\leq$	*less than or equal to*
$\geq$	*greater than or equal to*

What do these mean?

$$x < 3$$
$$n > 2$$
$$a \leq -1$$
$$b \geq -2$$

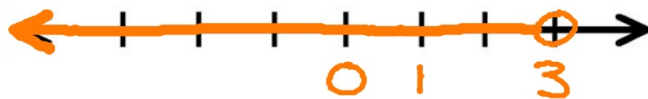*Answers to inequalities are graphed on numberlines.*

$$\xleftarrow{\quad}\underset{-4}{|}\ \underset{-3}{|}\ \underset{-2}{\bullet}\ \underset{-1}{|}\ \underset{0}{|}\ \underset{1}{|}\ \underset{2}{|}\ \underset{3}{|}\ \underset{4}{|}\ \underset{5}{|}\xrightarrow{\quad}$$
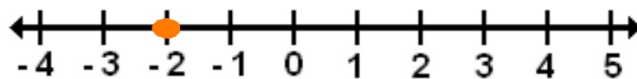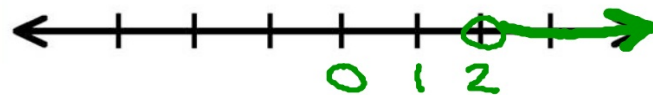
Plot –2 on the # line.

EVERY graphed answer must have:
- *arrows on both ends*
- *equally-spaced marks all along the line*
- *number labels - at least these 3:*
    1. *Zero*
    2. *the number you are counting by*
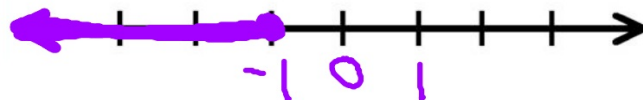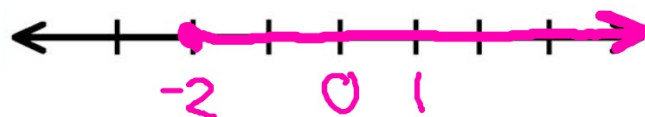   3. *the number you are graphing*

Graph each of the following:

$x < 3$

$n > 2$

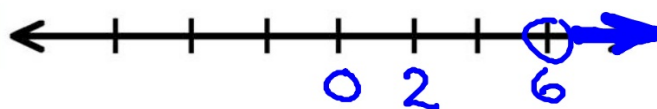$a \leq -1$

$b \geq -2$
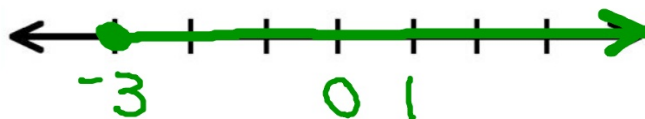
Graph each of the following:
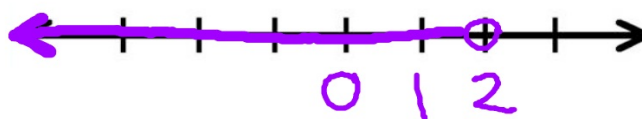
Variable MUST be on the left !!!

$5 \geq x$

$x \leq 5$

$b > 6$

$-3 \leq k$

$k \geq -3$

$2 > n$

$n < 2$

$\geq$
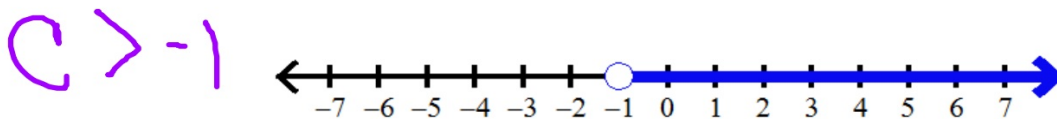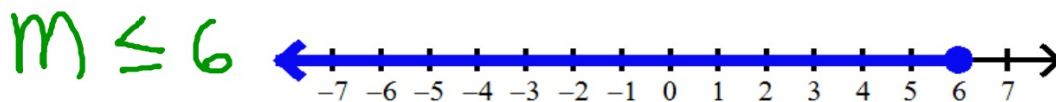$>$
$<$
$\leq$

○
●

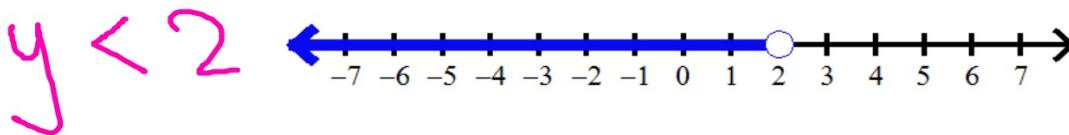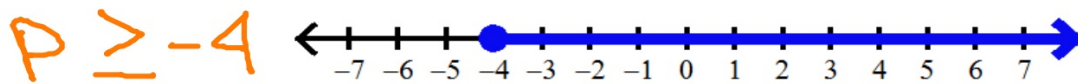*Write the inequality for each of these number lines:*

$P \geq -4$

$y < 2$

$m \leq 6$

$C > -1$

HOMEWORK

Blue WS1

Due Wednesday