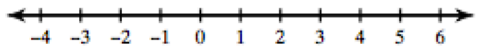
Corrective Assignment 7.3

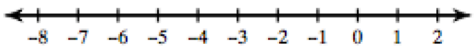
Name:_____

Solve each inequality and graph its solution.

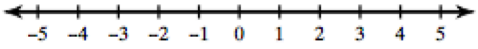
1) $2 \le v + 2 + 5v$



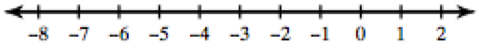
2) $0 \le -6b + 6b$



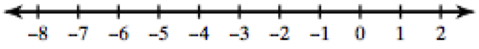
3) $4a + 3a \ge 7$



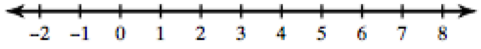
4) $8 + 4m + 2m \ge 2$



5) $-215 > 7(6r - 6) - 5$



6) $-160 \ge 8(1 - 7r)$



Solve each inequality.

7) $-98 < 7(1 + 3m)$

8) $-92 > -2x + 5(3x - 8)$

9) $4n + 9 < 7n - 7 - 8$

10) $-15 + 6b \geq b + 2b$

11) $8x - 35 < -5(1 + 5x) + 3$

12) $v + 4 > 8 + 2v$

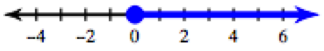
Translate the verbal phrase into an inequality and then solve.

13) The sum of 5x and 2x is greater than the difference of 9x and 4.

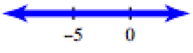
ANSWERS TO CORRECTIVE ASSIGNMENT:

Make sure you check all your answers and make sure you KNOW how to do all of them. You could simply copy answers but that's not the point. The point is that you have to learn how to do this so please make sure that for any you don't understand you get help BEFORE taking the Mastery Check again.

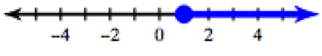
1) $v \geq 0$:



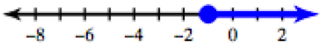
2) { All real numbers. } :



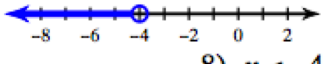
3) $a \geq 1$:



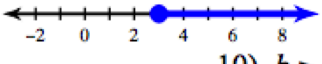
4) $m \geq -1$:



5) $r < -4$:



6) $r \geq 3$:



7) $m > -5$

8) $x < -4$

9) $n > 8$

10) $b \geq 5$

11) $x < 1$

12) $v < -4$

13) $x < -2$