

Solve and Graph Inequalities

Name: _____

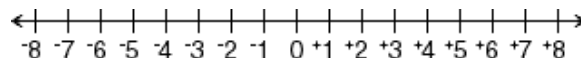
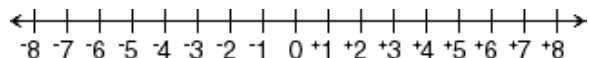
30 Points

Period: _____

Solve each inequality and graph on the number line. Show all work! (3 points each)

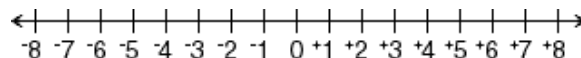
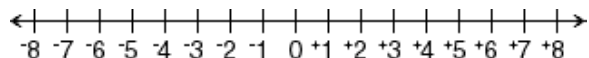
1. $m + 5 < 10$

2. $2 < b + 5$



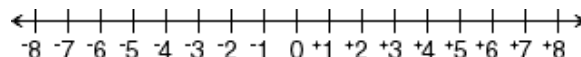
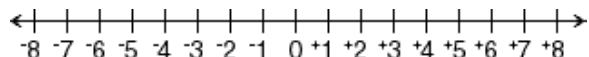
3. $x - 3 \geq 1$

4. $-2x < 4$



5. $3m \leq 9$

6. $\frac{x}{2} \geq 3$



Solve each inequality. Show all work. (2 points each)

7. $x - 10 \leq -7$

8. $b + 5 > -6$

9. $c - 3 < 22$

10. $3m \leq 9$

www.TUTOR-USA.com

11. $-8m \geq -40$

12. $\frac{x}{7} \geq -3$

13. $10 < \frac{x}{-3}$

14. $\frac{x}{-5} \geq 8$