

Name: _____ Hour: _____

II-5 Inequalities Worksheet #3

Solve each inequality and graph the solutions.

1. $2x + 6 \geq 7x - 9$



2. $-4x + 12 \leq 8x + 24$



3. $6x - 24 < 9x + 3$



4. $5x - 2 > 7x + 6$



5. $9x + 7 \geq 3x + 13$



6. $-4x - 20 < 5x - 2$



7. $4x + 10 > 11x + 3$



8. $2x + 25 \geq 12x + 5$



9. $7x + 28 \leq -2x + 1$



Name: _____ Hour: _____

10. $10x + 2 < -8x + 38$

11. $2(x + 5) \leq x - 4$

12. $x - 2 > 3(x + 4)$



13. $4 \geq 2x + 6$

14. $6x - 3 > 2x + 1$

15. $5x + 1 \leq 2(x + 2)$



16. $x + 5 < 2(x - 2)$

17. $8x + 5 + 3x \geq 7x - 1 + 2x$

18. $12(x - 1) > -4(x - 5)$

