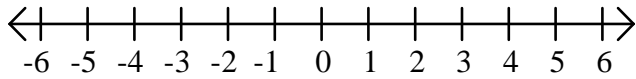


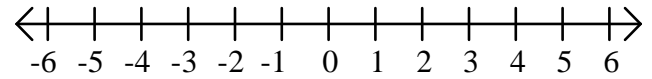
Algebra I Worksheet #7 Unit 4 page 1 _____

Solve each of the following continued inequalities. Graph the solution set on the number line provided. Show your steps neatly organized.

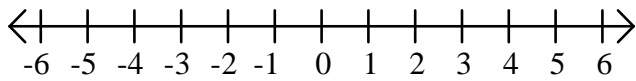
1. $-8 < 3x + 1 < 7$



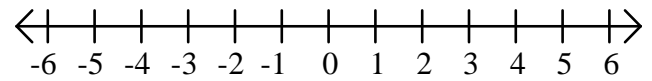
2. $-6 \leq 3x - 9 \leq 9$



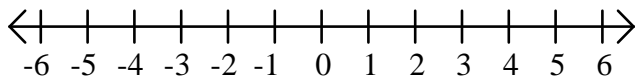
3. $-5 \leq 2x - 5 \leq 1$



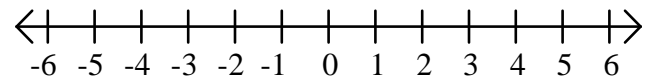
4. $-1 < 1 - 2x < 11$



5. $-6 < 4x + 2 < 14$

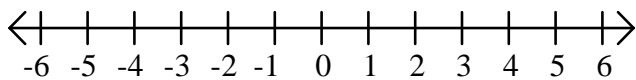


6. $-15 \leq 6x - 3 \leq 21$

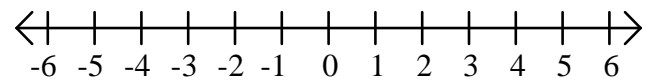


Solve each of the following compound inequalities. Graph the solution set on the number line provided.

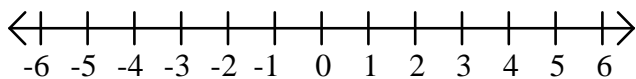
7. $3x + 1 < 10$ and $-2x + 5 < 9$



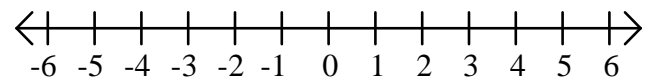
8. $4x - 5 \leq 11$ and $3x + 7 \leq 4$



9. $-5x + 3 \geq -12$ and $-2x - 7 \leq 1$



10. $-5x - 8 < 7$ and $2x + 3 > 5$

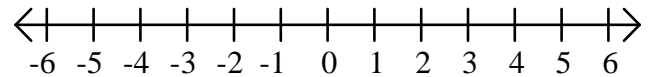
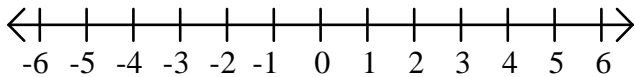


Algebra I Worksheet #7 Unit 4 page 2

Solve each of the following compound inequalities. Graph the solution set on the number line provided.

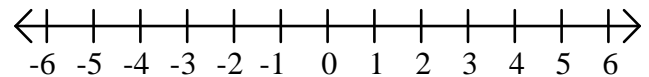
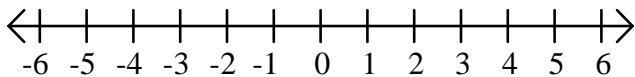
11. $3 - 4x \leq 7$ and $x + 10 < 5$

12. $6x - 5 < 7$ and $4x + 12 \geq 0$



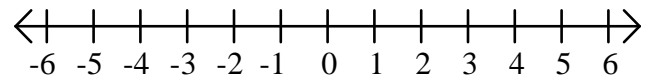
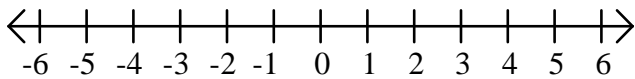
13. $2x + 3 > 9$ or $3x + 7 > 4$

14. $-5x - 7 \geq 8$ or $2x + 3 \leq 11$



15. $-4x + 6 \leq 6$ or $5x + 11 \leq 1$

16. $3x + 5 < 2$ or $5x - 12 \geq 3$



17. $2x < 6$ or $x + 2 > 0$

18. $1 - 3x \geq 10$ or $2x + 1 > 9$

