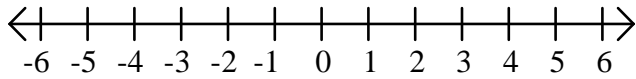


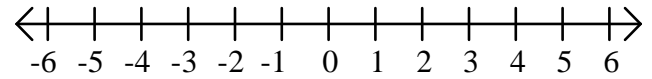
Algebra I Worksheet #8 Unit 4 page 1 _____

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

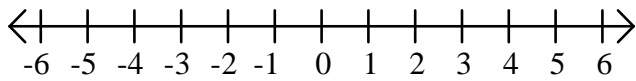
1. $-4 \leq 5x + 6 \leq 21$



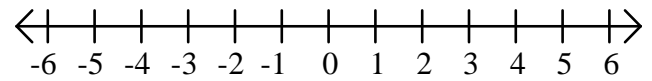
2. $-9 < 2x - 3 < 9$



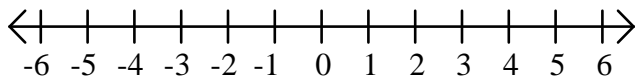
3. $-21 \leq 3x - 6 \leq 6$



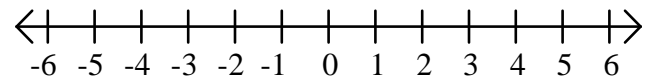
4. $-10 < 5 - 3x < 5$



5. $-8 \leq 3x - 2 \leq 10$

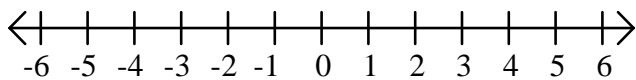


6. $-11 < 8x + 5 < 29$

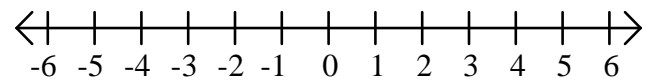


Solve each of the following compound inequalities. Graph the solution set on the number line provided.

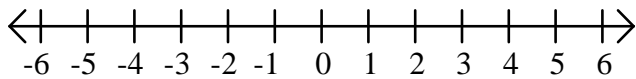
7. $5x - 2 < 8$ and $3x + 5 > 2$



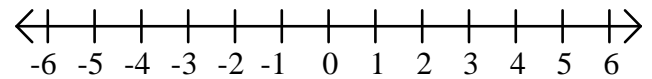
8. $3x + 1 \leq 10$ and $-2x + 3 \geq 7$



9. $5x - 9 \geq 1$ and $-3x - 1 \geq 5$



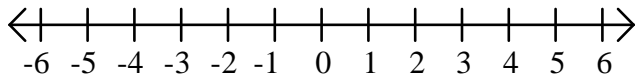
10. $-2x + 9 < 1$ and $3x + 9 > 0$



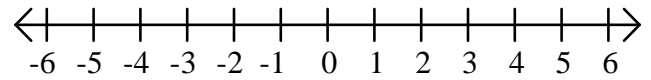
Algebra I Worksheet #8 Unit 4 page 2

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

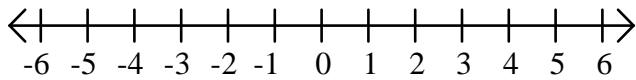
11. $5x - 14 \leq 1$ and $-2x - 7 \leq 3$



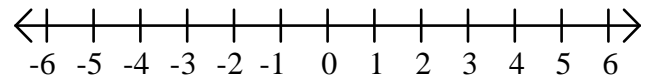
12. $5 - 3x < 2$ and $2x - 9 < 1$



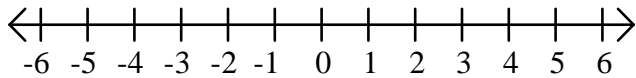
13. $5x + 2 < -8$ or $3x - 5 > 1$



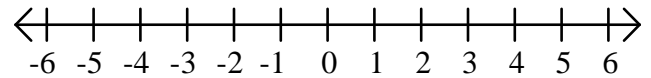
14. $6x - 7 \geq 17$ or $-3x + 2 \leq 11$



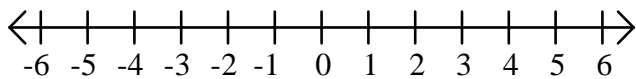
15. $4x - 6 \geq 10$ or $-3x + 6 \geq 9$



16. $2x - 3 < 7$ or $5x + 7 > 2$



17. $-2x + 1 > 5$ or $3x - 6 < 9$



18. $3x + 6 \leq 6$ or $4x - 6 \geq 6$

