

Algebra I Worksheet #6 Unit 5 page 1 _____

Solve each of the following equations. Show your steps neatly organized.

1. $|3x - 4| = 7$

2. $|8x + 9| = 3$

3. $|4x - 5| = 2$

4. $|6x + 8| = 1$

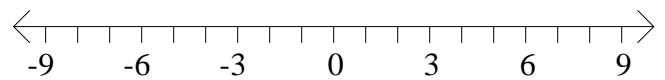
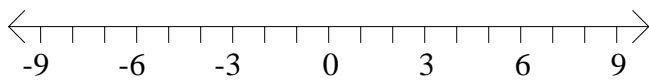
5. $|2x - 5| = 0$

6. $|5x + 2| = -3$

Solve for x. Graph the solution sets on the number lines provided. Show your process neatly organized.

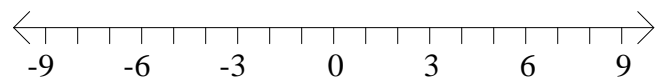
7. $|x - 4| < 3$

8. $|x + 5| \leq 2$



9. $|x + 2| > 4$

10. $|x - 3| \geq 2$

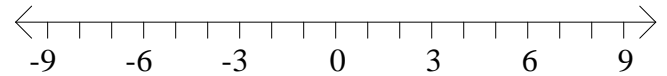
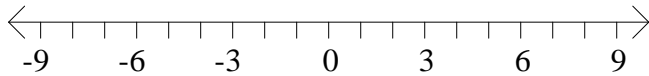


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Solve for x . Graph the solution sets on the number lines provided. Show your process neatly organized.

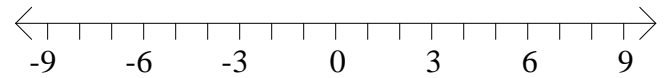
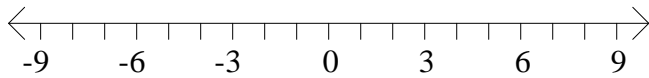
11. $|3x + 4| < 7$

12. $|5x - 3| \leq 8$



13. $|5 - 2x| \leq 7$

14. $|8x + 11| < 13$



15. $|6x + 5| > 11$

16. $|4x - 9| \geq 15$



17. $|-7x - 9| > 16$

18. $|6x + 13| \geq 5$

