

Algebra I Worksheet #3 Unit 5 page 1 _____

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

1. $|x| = 3$

2. $|x + 5| = 3$

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

4. $|x| = 2$

5. $|x - 2| = 2$

6. $|4x - 6| = 2$

7. $|x| = 5$

8. $|3x + 1| = 5$

9. $|5x - 2| = 5$

10. $|x| = 4$

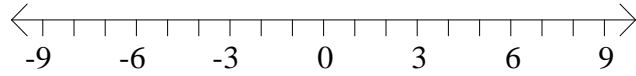
11. $|5x + 1| = 4$

12. $|3x - 5| = 4$

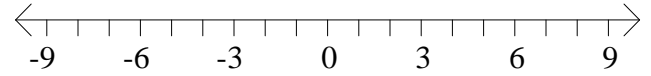
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Solve for x. Graph the solution sets on the number lines provided.

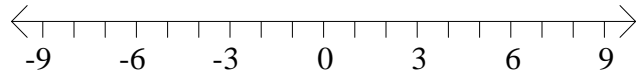
13. $|x| < 3$



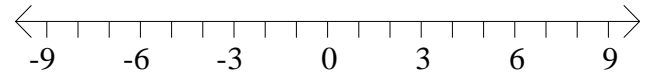
14. $|x| \leq 5$



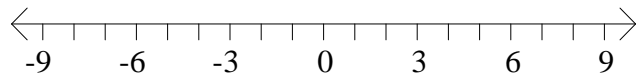
15. $|x| < 2$



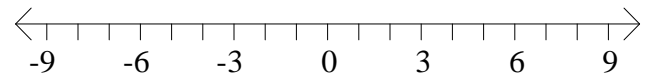
16. $|x| \leq 4$



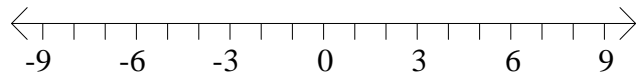
17. $|x| > 1$



18. $|x| \geq 6$



19. $|x| > 5$



20. $|x| \geq 3$

