

Algebra I Review Unit 5 page 1 _____

Solve each of the following equations. Show your steps neatly organized. Express your answers in lowest terms. Do not change improper fractions to mixed numbers.

1. $6x - 7 = 3$

2. $5x + 6 = 10$

3. $8x - 5 = -1$

4. $-4x + 5 = 7$

5. $12x - 1 = -16$

6. $-3x + 11 = 7$

7. $2x - 13 = -4$

8. $-9x + 10 = -11$

9. $15x - 8 = 2$

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

10. $|2x + 3| = 7$

11. $|4x - 10| = 6$

12. $|6x + 7| = 5$

13. $|3x - 5| = 4$

14. $|7x + 3| = 9$

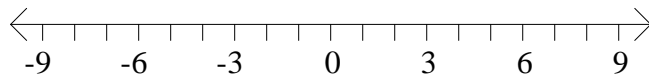
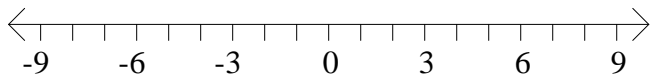
15. $|8x - 11| = 9$

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

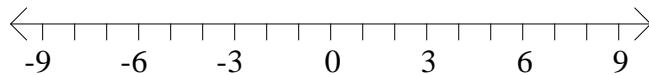
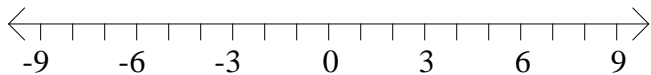
16. $|x| < 6$

17. $|x| \geq 3$



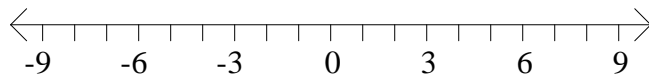
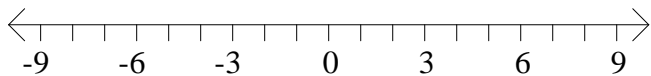
18. $|x - 2| \leq 5$

19. $|x + 3| > 4$



20. $|4x + 6| < 18$

21. $|6x - 9| \geq 21$



22. $|-8x - 7| \leq 13$

23. $|10x + 17| > 13$

