

Algebra I Worksheet #9 Unit 2 page 1 _____

Solve the following equations. Show your steps neatly organized.

1. $6x + 7 = 2x + 31$

2. $5x - 16 = 2x + 11$

3. $8x - 9 = x + 12$

4. $10x + 6 = 7x + 36$

5. $x + 3(2x - 3) = 12$

6. $4(3x + 5) - 2x = 50$

7. $3(x + 6) + 2(x - 7) = 39$

8. $4(3x - 5) = 2(4x + 8)$

9. $15x - 6 = 8x + 15$

10. $3(2x + 5) + 3x = x + 39$

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Solve the following equations. Show your steps neatly organized.

11. $5(2x + 3) + 10x = 215$

12. $3(2x + 8) - 10 = x + 59$

13. $6(x + 5) + 4(x - 5) = 100$

14. $x + 5(3x - 2) = 2(3x + 15)$

15. $6(x - 5) = 3(x + 1)$

16. $8x + 2(x + 3) = 3x + 62$

17. $6(2x + 3) - 2x = 7(x + 8) - 5$

18. $5x + 8 = x + 32$

19. $3x + 2(5x - 6) = 4x + 6$

20. $5x - 8 = x + 32$