

Algebra I Worksheet #8 Unit 2 page 1 _____

Solve the following equations. Show your steps neatly organized.

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

2. $2x + 3(x + 3) = 24$

3. $2(x + 3) + 5(x - 1) = 36$

4. $6(2x + 3) - 7x = 58$

5. $3(2x - 4) + 5x = 32$

6. $x + 7(x - 3) = 35$

7. $7x + 5 = 3x + 29$

8. $9x - 17 = x + 31$

9. $3(2x - 6) = 4(x + 3)$

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

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Solve the following equations. Show your steps neatly organized.

11. $x + 3(x - 5) = 21$

12. $2(5x + 2) + 3(x - 1) = 27$

13. $2(x + 5) + 5(x - 1) = 4x + 38$

14. $5(2x - 3) - 4x = 9$

15. $x + 3x + 6 = 42$

16. $6x - 4 = 3x + 14$

17. $2(x + 4) + 5(2x - 1) = 8x + 27$

18. $2(3x + 4) - 2 = x + 36$

19. $4(5x + 8) + 3(2x - 7) = 3(8x + 5)$

20. $20x = 5(x + 6)$