

Lesson #6 A: Solving One Step, Two and Multiple Step Equations
(Reference: Lesson #19, #21 & #23 in book)**Problem**

1. Solve each of the following for the indicated variable. (Make sure you show all of your work and check your answers.)

1. $x - 6 = 14$

2. $-9x = -36$

3. $\frac{x}{5} = 6$

4. $x + 8 = 15$

5. $8x = 64$

6. $x - 9 = -12$

7. $x + 11 = -1$

8. $\frac{1}{2}x = 5$

9. $-6x + 5 = 17$

10. $7 + 2x = -3$

11. $-18 = 3x - 6$

12. $\frac{3}{4}y = -12$

13. $-3x - 7 = -22$

14. $-\frac{1}{2}x - 4 = -8$

15. $-6x - 2x + 3 = 19$

16. $6x + 9 + 5x = -2$

17. $4x - 9x + 6 = -34$

18. $3(3x - 6) = 18$

19. $-5(6x + 6) = 30$

20. $-4(x + 8) + 8x = 8$

21. $-8(7x + 1) - 5x = -8$

22. $6(5x + 4) + 5x = -11$

23. $5(x + 2) - 4(x - 1) = 6$

24. $5(3 - 2x) - 3(4 - 2x) = 19$