

Unit #2 Test Review-Review Assignment #1: Solving One and Two Variable Equations(Reference: Lesson #19, #20, #21, #23, #25, #26, #28, #29, #30, #35, #41, #49, #115 & #119 in book)**Problem**

1. **For each of the following problems, solve for the indicated variable. (Make sure you show all of your work and please check each answers).**

1. $x + 17 = 20$

2. $-6x = 48$

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

4. $3 + x - 10 + 4x = 28$

5. $-2(x - 2) + x = 16$

6. $-3(y - 4) + 2(5 + 2y) = 29$

7. $4x + 6 + 2x - 3 = 9 + 5x - 4$

8. $3(4x - 2) + 5x = 30 - x$

9. $4(8 - 3t) = 32 - 8(t + 2)$

10. $4x + 4(x + 3) = 2(3x + 7)$

11. **For each of the following equations, solve for hte indicated variable. (Show all of your work.)**

11. Solve $x - y = 30$ for x .

12. Solve $x - 6y = 32$ for x .

13. Solve $16x + 8y = 64$ for y .

14. Solve $12x - 3y = 18$ for y .

15. Solve $2(y + 6) - 3x - 8y + 6 = 42$ for x .

16. Solve $3(x - 4) - 3y - 6x + 4 = 19$ for x .

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17. Solve $4x + 3y - 8 = 22 - x + 8y$ for x .

18. Solve $2x - 11y + 6 = 10 + 4x - 3y$ for x .

19. Solve $3(y - 3) - 3x - 2 = 6x - 6y + 16$ for y .

20. Solve $4(x + 2) - 7y = 3(y - 2) + 2x$ for x .