

**Unit #2 Test Review-Review Assignment #1-2: Solving One and Two Variable Equations(Reference: Lesson #19, #20, #21, #23, #25, #26, #28, #29, #30, #35, #41, #49, #115 & #119)****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.  $30x + 8 + 5x + 16 = -11$

2.  $6x + 2(7 - x) + 10 = 20$

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

4.  $3x + 12 - 8x - 4 = 3 + 15x - 15$

5.  $16x - 4(2x - 4) = 8x + 12 - 2x$

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

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

7. Solve  $x + 8y = -24$  for  $x$ .

8. Solve  $14x - 2y = 8$  for  $y$ .

9. Solve  $4(2y - 3) + 6x - 5y + 10 = 22$  for  $y$ .

10. Solve  $4x + 8 - 3y = 3y - 6 + 2x$  for  $x$ .

11. Solve  $4(y - 2) - 3x = -5x + 6y - 12$  for  $x$ .

12. Solve  $3(2x + 3) - 6y + 1 = 2(3y - 1) + 12x$  for  $y$ .