## **Solving Multistep Equations**

**Directions:** Before we are ready to solve linear systems of equations, we will spend some time reviewing how to solve multi-step equations in one variable. Walk through Examples 1 - 4, then solve the equations below in your notebook. Show all work. *This assignment is worth 10 points and student that complete and give to the sub this week will warn a bonus 5 points!* 

**Example 1** Solve the equation 3x + 6 = -8



**Example 3** Solve the equation 4(x-3) + 6 = 18



**Example 2** Solve the equation 
$$\frac{1}{4}x + 5 = 13$$







1.) 2x + 7 =15	2). $3x - 1 = 8$	3.) 6x + 4 = 38	4.) 14 − 2x = 6

- 5). 8x 2 = 38 6.)  $\frac{1}{3}x 5 = -1$  7.)  $\frac{1}{2}x + 13 = 20$  8.)  $\frac{4}{3}x + 3 = 23$
- 9.) 3(x-2) = 18 10.) 12(2-x) = 6 11.) 4(x+3) = 36 12.) 5(x+1) = 45

13.) -(x + 4) = -8 14.) 9/2(x + 3) = 27 15.) -2(3 - 2x) = 34 16.) 2x + (x + 1) = -2

17.) 4x - 3(x - 2) = 21 18.)  $\frac{1}{4}(-2 + x) = 12$  19).  $\frac{1}{6}(x + 3) = 8$  20.)  $\frac{2}{5}(3 - x) = 10$