

Name _____ Group _____

Solving Algebraic Equations Assignment

- 1) Solve the following equation. Show your work! 2) Solve the following equation. Show your work!

$$x - 5 = 32$$

$$3x + 6 = 30$$

- 3) Solve the following equation. Label each step and explain what you are doing. Check your answer!

$$5x - 6 = 13x + 12$$

- 4) Solve the following equation. Label each step and explain what you are doing. Check your answer!

$$8(9x + 3) = 104$$

5) Solve the following equation. Label each step and explain what you are doing. Check your answer!

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

6) Solve the following equation. Label each step and explain what you are doing. Check your answer!

$$\frac{3x}{6} = 9$$

7) Solve the following equation. Label each step and explain what you are doing. Check your answer!

$$\frac{4x}{7} = \frac{2}{5}$$