**Unit 1 Practice worksheet Name:**

**Show all your work** **Period:**

**1-Solve** x − 3(x − 1) + 8(x − 3) = 6(x + 1) + 1 − 4x

**2-Use substitution to solve the system of equations.**

3- Use a graphing calculator to solve the system of equations. (Show your solving for “y = “ also.) Round answer to nearest tenth.

**Linear functions.**

1. Write the equation for a line that passes through points ( 5,2) and ( -5,14). Your final answer should be in **slope-intercept** form.
2. Write the equation for a line that is parallel to and passes through the point (9, 6)
3. Determine the slope of the line that is **perpendicular** to the line 8x – 3y = 15.
4. **Evaluate**

**Use properties of exponents to simplify each expression.**

1. 10)