

Lesson #13 B -Understanding and Solving Systems of Equations-Methods Review**Problem**

1. **For each of the following systems of equations, please solve the system by graphing method and expression the solution as a coordinate point.(SHOW ALL OF YOUR WORK.)**

$$1. \quad 3x + y = 9$$

$$x + 2y = 8$$

2. $-3x + 3y = 9$

$$8x - 4y = -4$$

3. $5x - 5y = -25$

$$-6x + 2y = -2$$

4. **For each of the following systems of equations, please solve the system by Substitution Method and expression the solution as a coordinate point.(SHOW ALL OF YOUR WORK.)**

$$4. \quad y = 2x - 3$$

$$y = 5x + 9$$

5. $2x + y = -6$

$$3x + 2y = -10$$

6. $2x - 3y = 8$

$$3x + 4y = -5$$

7. **For each of the following systems of equations, please solve the system of equations by the method of your choice (GRAPHING or SUBSTITUTION) and express the solution as a coordinate point (SHOW ALL OF YOUR WORK.)**

$$7. \quad 2x + 3y = 18$$

$$-4x - 6y = 24$$

8. $12x - 6y = 12$

$$x = -2y + 11$$