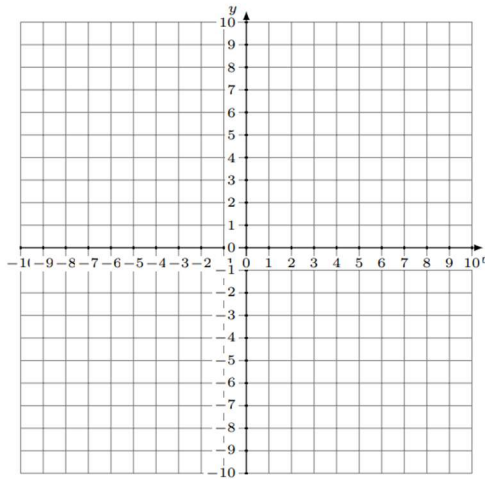


Answer each question, making sure to **SHOW ALL OF YOUR WORK** in the space provided. You must use the indicated method to earn full credit. Take the time to check your work. Write neatly.

1. Solve the system of linear equations by graphing.

$$y = \frac{1}{3}x + 3$$

$$y = 2x - 2$$



Solution: (,)

2. Solve the linear system using substitution.

$$y = 6x - 11$$

$$-2x - 3y = -7$$

Solution: (,)

3. Solve the linear system using substitution.

$$-7x - 2y = -13$$

$$x - 2y = 11$$

Solution: (,)

4. Solve the linear system using elimination.

$$-4x - 2y = -12$$

$$4x + 8y = -24$$

Solution: (,)

5. Solve the linear system using elimination.

$$-2x - 9y = -25$$

$$-4x - 9y = -23$$

Solution: (,)

6. Solve the linear system using elimination.

$$-7x - 8y = 9$$

$$-4x + 9y = -22$$

Solution: (,)

7. Solve the system using ANY of the 3 methods.

$$5x + 4y = -14$$

$$3x + 6y = 6$$

Solution: (,)

8. ***Two times a number plus three times another number is 13. The sum of the two numbers is 7. What are the numbers?***

HINT: Define your variables, write two equations to create a system, then use your preferred method to solve the system.