

Name \_\_\_\_\_

Date \_\_\_\_\_

## Solving Systems of Linear Equations by Graphing - Independent Practice Worksheet

Complete all the problems.

1. Is (3, 6) a solution to this system of equations?

$$2x + 11y = 70$$

$$5x + 3y = 20$$

2. Solve this system of equations by graphing. First graph the equations, and then determine the solution by finding the intersection point.

$$y = \frac{6}{3}x + 4$$

$$x = 2$$

3. Is (7, 4) a solution to this system of equations?

$$4x + 9y = 64$$

$$6x + 2y = 50$$

4. Solve this system of equations by graphing. First graph the equations, and then determine the solution by finding the intersection point.

$$y = \frac{7}{5}x + 8$$

$$x = -3$$

5. Is (6, 2) a solution to this system of equations?

$$7x + 12y = 5$$

$$22x + 7y = 20$$



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6. Solve this system of equations by graphing. First graph the equations, and then determine the solution by finding the intersection point.

$$y = \frac{-4}{3}x + 2$$

$$x = 3$$

7. Is (3, 9) a solution to this system of equations?

$$2x + 10y = 96$$

$$3x + y = 36$$

8. Solve this system of equations by graphing. First graph the equations, and then determine the solution by finding the intersection point.

$$y = \frac{3}{2}x + 5$$

$$x = 2$$

9. Is (4, 5) a solution to this system of equations?

$$6x + 15y = 16$$

$$6x + 6y = 11$$

10. Solve this system of equations by graphing. First graph the equations, and then determine the solution by finding the intersection point.

$$y = \frac{7}{6}x + 4$$

$$x = -3$$

