

Solving Systems of Linear Equations By Graphing - Matching Worksheet

Write the letter of the answer that matches the problem.

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

$$5x + 12y = 24$$

$$6x + 7y = 8$$

a. It is a solution of system equations.

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

$$y = \frac{5}{4}x + 2$$

$$x = 4$$

b. Not a solution of system equations.

_____ 3. Is (2, 4) a solution to this system of equations?

$$2x + 5y = 24$$

$$3x + 3y = 18$$

c. False

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

$$y = \frac{8}{5}x + 6$$

$$x = -4$$

d.



_____ 5. Is (7, 3) a solution to this system of equations? True or False.

$$8x + 9y = 30$$

$$10x + 7y = 16$$

e.



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

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

$$x = 3$$

f.

