

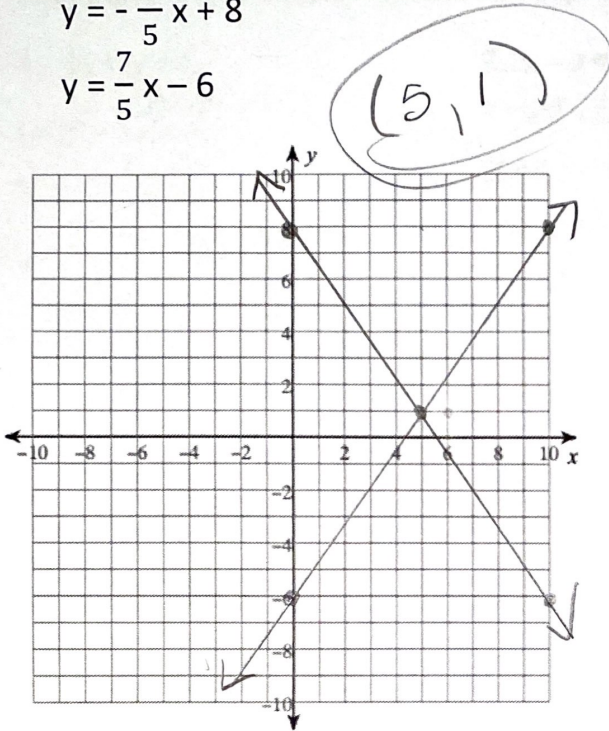
Solving Systems of Equations by Graphing - Notes

Solve each system by graphing. Write the solution as an ordered pair.

1)

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

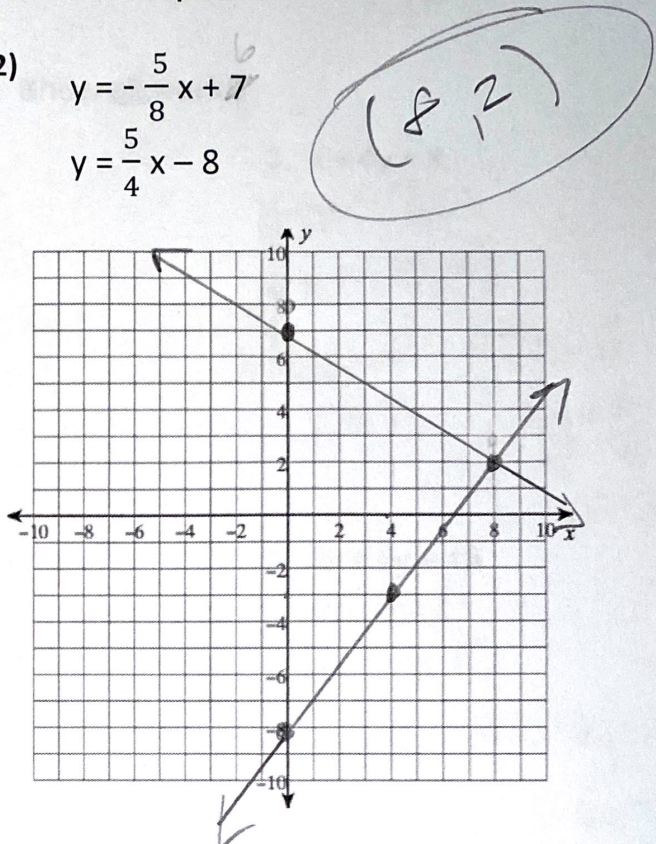
$$y = \frac{7}{5}x - 6$$



2)

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

$$y = \frac{5}{4}x - 8$$



Graph the system of equations. Determine the solution (written as an ordered pair, then give the meaning of the solution in the context of the problem.

3) Maximus has \$200 in his savings account, and is withdrawing \$20 per week. Ilhan does not have any money in her savings to start with, but is saving \$30 per week. This can be represented by the following system of equations:

$$y = -20x + 200$$

$$y = 30x$$

Solution (written as an ordered pair):

(4, 120)

What does the solution mean in the context of the problem?

In 4 weeks, they will each have \$120 in savings.

