

Name _____

Date _____ Pd. _____

Notes: Substitution Day 1

Solve the system of equations (round to the nearest decimal)

$$\begin{cases} 2.93x + y = 6.08 \\ 8.32x - y = 4.11 \end{cases}$$

You need to put into $y=$ form to use the graphing calculator

$$\begin{cases} y = \underline{\hspace{2cm}} \\ y = \underline{\hspace{2cm}} \end{cases}$$

The solution is about _____

Substitution	One method for solving a _____. In this method, one variable is solved for one equation and then _____ (replaced) into the other equation in the system.
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Exit Card: Substitution Day 1

The Whatley family is planning a trip to a carnival. The carnival has two ticket plans.
 Plan A has an \$8 admission plus \$0.25 per ride.
 Plan B is for \$0.75 per ride.

Let x represent the number of rides each person will ride and y represent the total cost per person, in dollars. Which of these systems represents this situation?

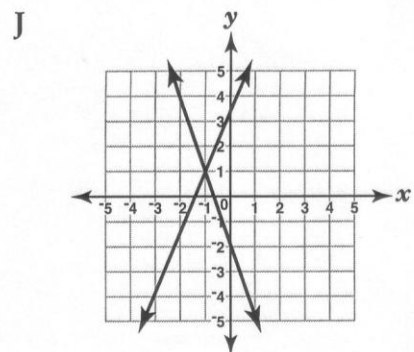
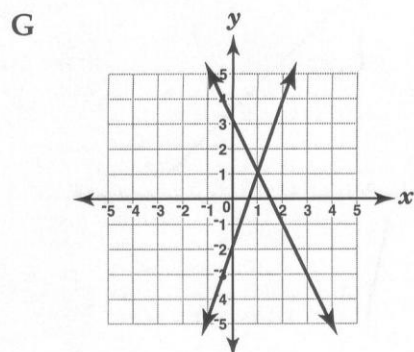
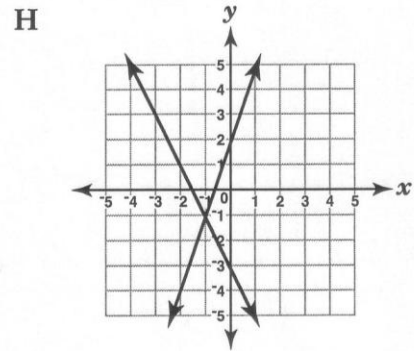
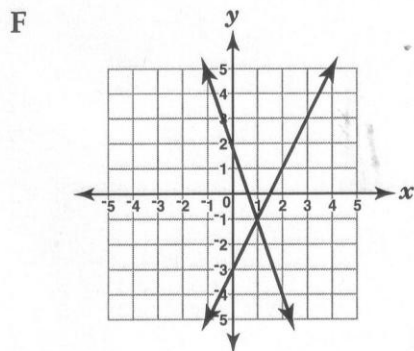
- F. $y = 8 + 0.25x$
 $y = 0.75x$ G. $y = 0.25 + 8x$
 $y = 0.75$ H. $y = x + 0.25$
 $y = x + 0.75$ J. $y = 0.25x$
 $y = 0.75x$

Look at the system of equations below.

$$y = -3x + 2$$

$$y = 2x - 3$$

Which of these graphs represents this system of equations?



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Homework: Page 379 (1 – 3)

1. Explain why you might choose to use substitution rather than graphing to solve a system of equations.

2. Describe the graphs of two equations if the solution of the system of equations yields the equation $4 = 2$.

3. Write a system of equations that has infinitely many solutions.