

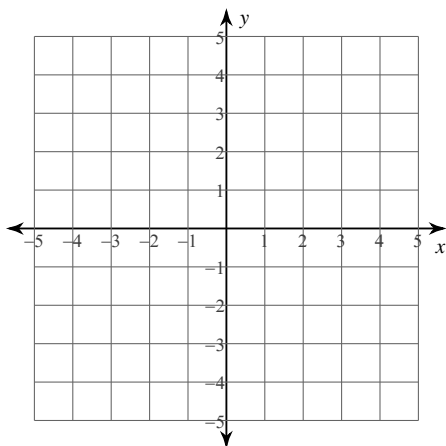
CA 4.1

© 2013 Kuta Software LLC. All rights reserved.

Solve each system by graphing.

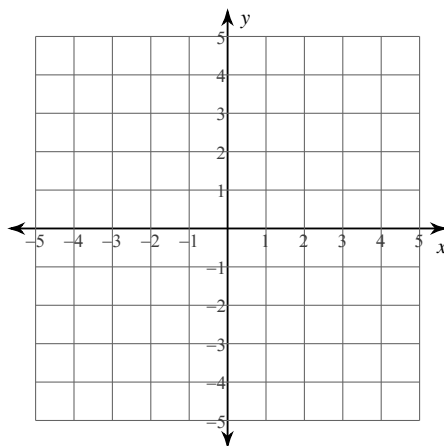
1) $y = \frac{5}{4}x - 3$

$y = \frac{1}{4}x + 1$



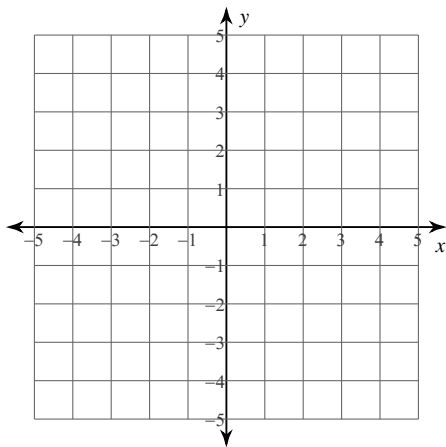
2) $y = -\frac{1}{2}x + 2$

$y = -\frac{1}{2}x - 3$



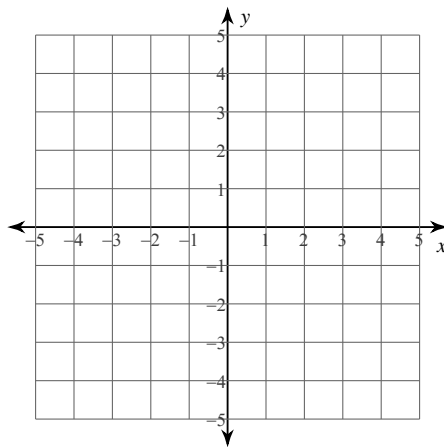
3) $-1 = -y$

$0 = 2y - 3x + 4$



4) $-1 = y + 3x$

$-y = -3 - x$



5) Is $(-9,-1)$ a solution of the following linear system of equations?:

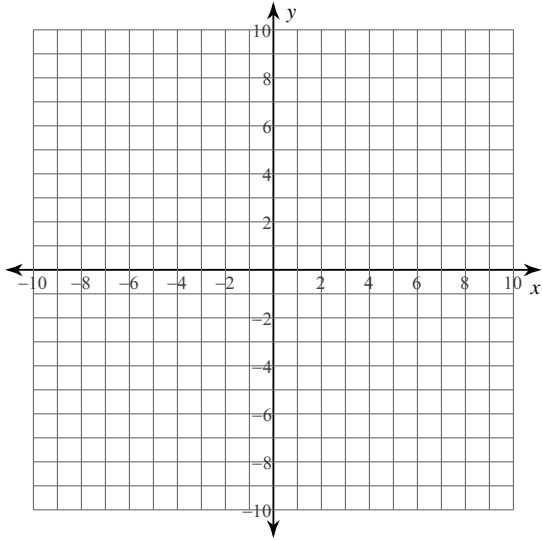
$$\begin{aligned}8x + 9y &= -81 \\ x - 3y &= -6\end{aligned}$$

6) Is $(-3,-4)$ a solution of the following linear system of equations?:

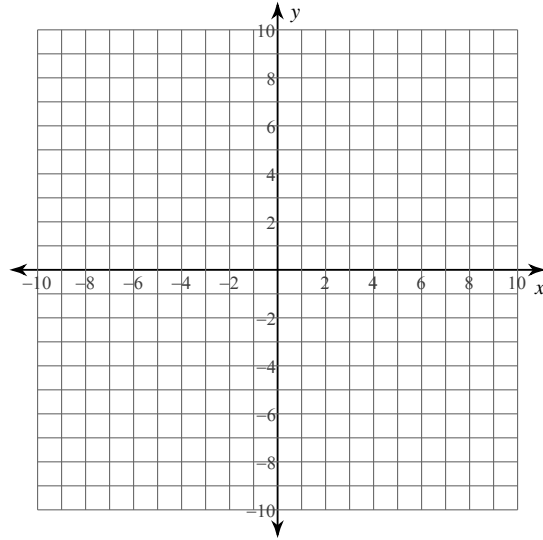
$$\begin{aligned}4x - y &= -8 \\ x + y &= -1\end{aligned}$$

Solve each system by graphing.

7) $2x + 5y = -15$
 $8x + 5y = 15$



8) $x = -4$
 $x + 4y = -32$



Solve each system by using your graphing calculator.

9) $y = 7x + 6$
 $13x - 8y = 253$

10) $y = x - 75$
 $64x - 8y = -296$

11) $y = -47$
 $67x + 29y = 245$

12) $-49x - 24y = 122$
 $y = -11x + 192$

13) $-33x + 12y = -285$
 $y = 38x + 82$

14) $y = 9x + 197$
 $18x - 2y = -394$

Answers to CA 4.1

1) (4, 2)

5) YUP

9) (-7, -43)

13) (-3, -32)

2) No solution

6) Nope

10) (-16, -91)

14) Infinite number of solutions

3) (2, 1)

7) (5, -5)

11) (24, -47)

4) (-1, 2)

8) (-4, -7)

12) (22, -50)