Key

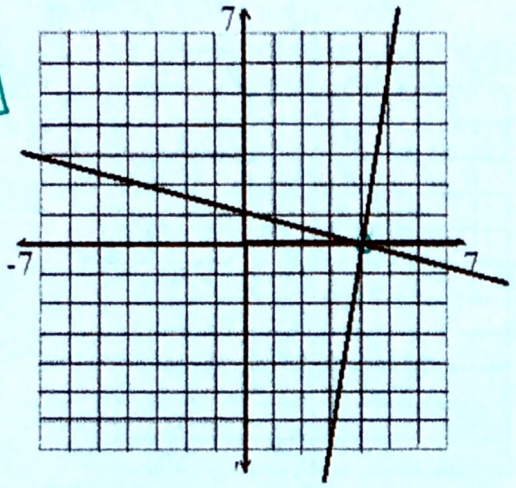
Int 2

Homework 10-4
Solve Systems of Equations by Graphing again.

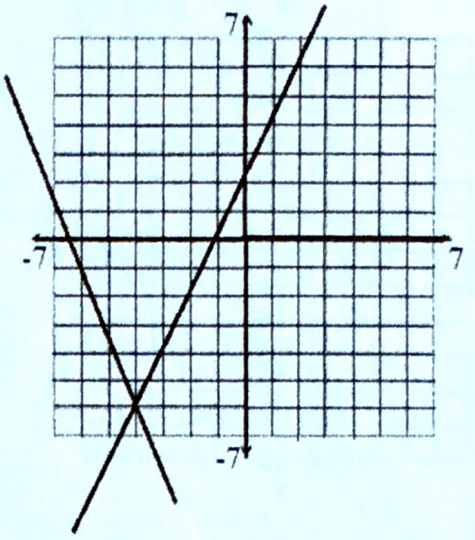
Unit 10

What is the solution for each graphed system of equations?

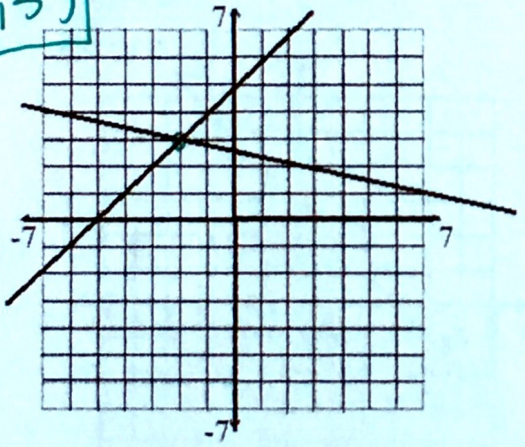
1) (4,0)



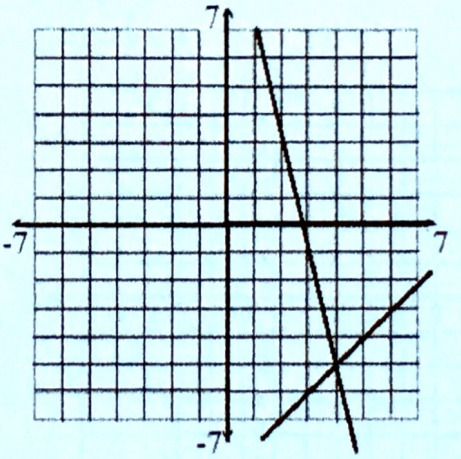
2)



3) (-2,3)



4)

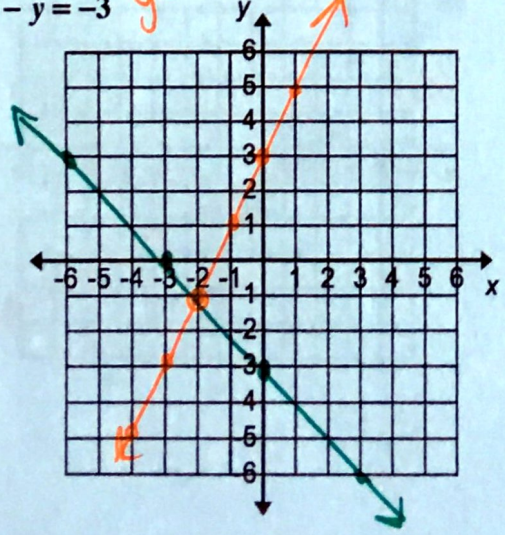


Solve each system of equations by graphing.

5) $x + y = -3$

$2x - y = -3$

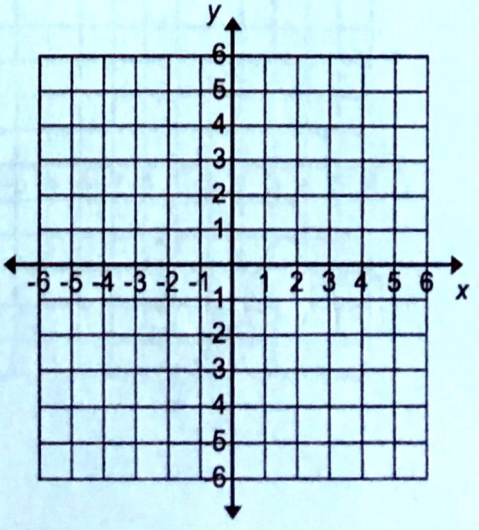
$y = 2x + 3$



(-2,-1)

6) $2x - y = -3$

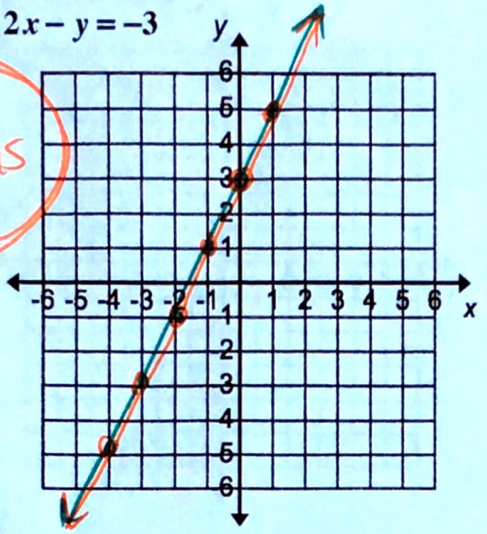
$3x + y = -2$



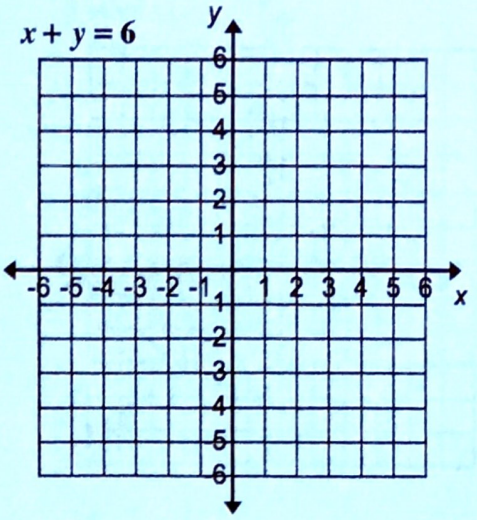
Solve each system of equations by graphing.

7) $4x - 2y = -6$
$2x - y = -3$

∞ solutions

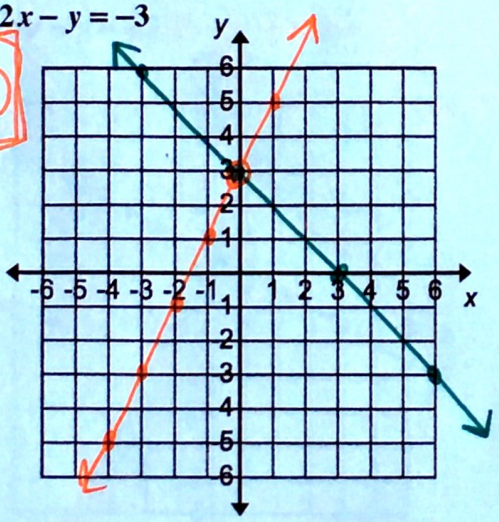


8) $x - y = 0$
$x + y = 6$

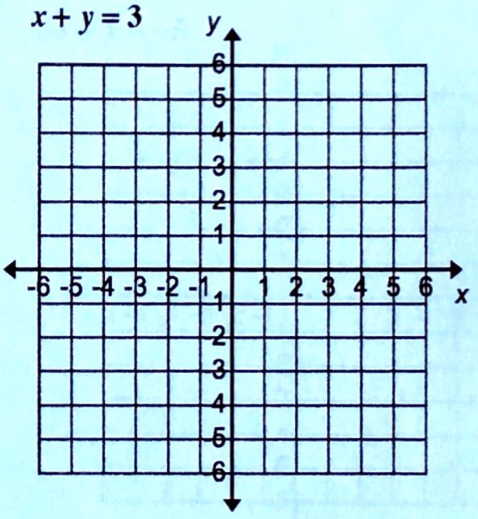


9) $x + y = 3$
$2x - y = -3$

(0,3)

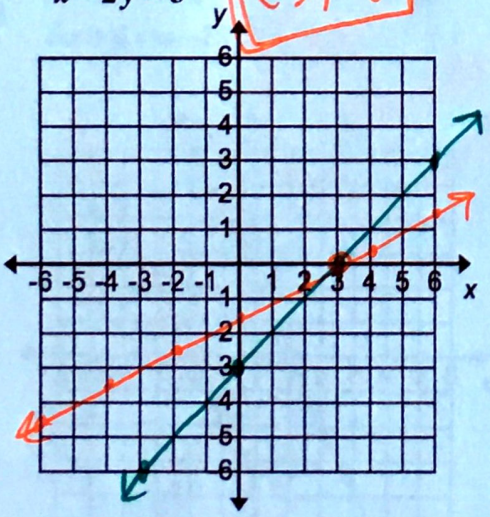


10) $3x - y = 1$
$x + y = 3$

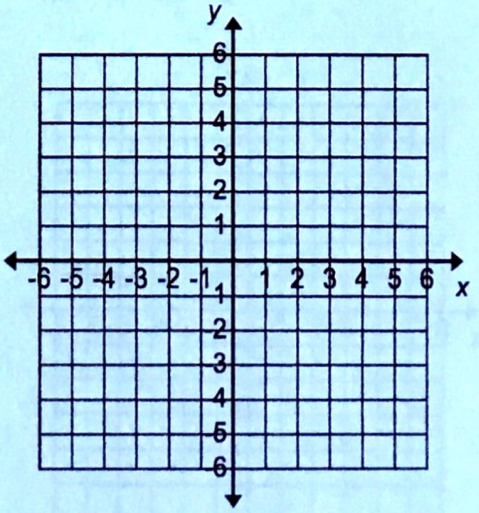


11) $x - y = 3$
$x - 2y = 3$

(3,0)

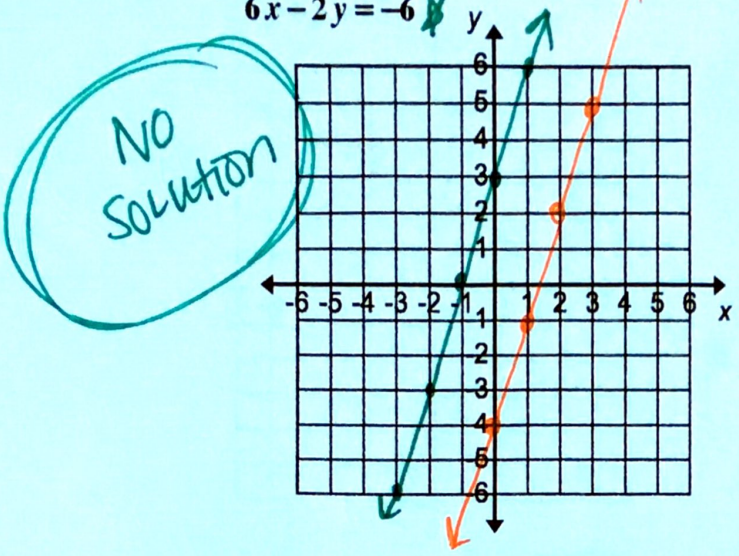


12) $y = 3$
$x - y = -5$

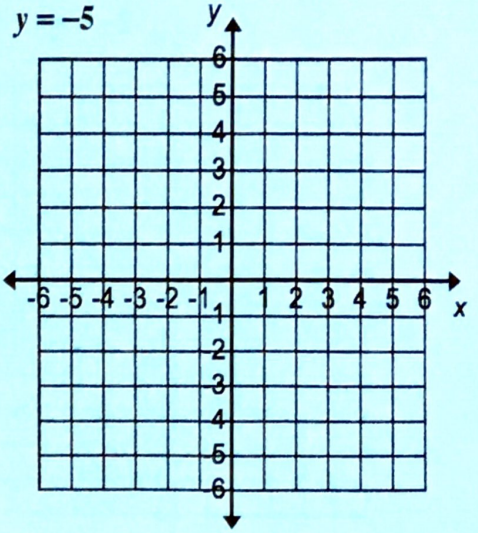


Solve each system of equations by graphing.

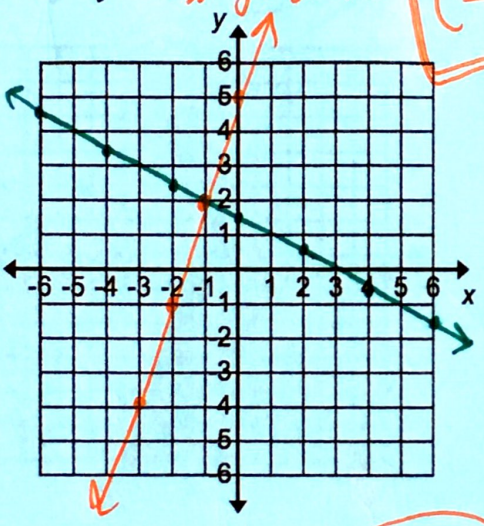
13) $3x - y = 4$ ☆ $y = 3x - 4$
$6x - 2y = -6$ ☆



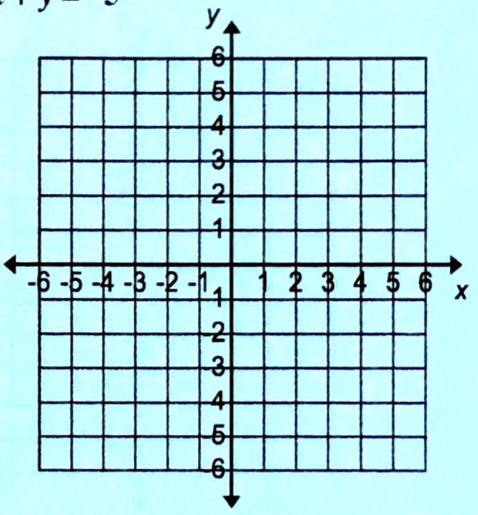
14) $x - y = 3$
$y = -5$



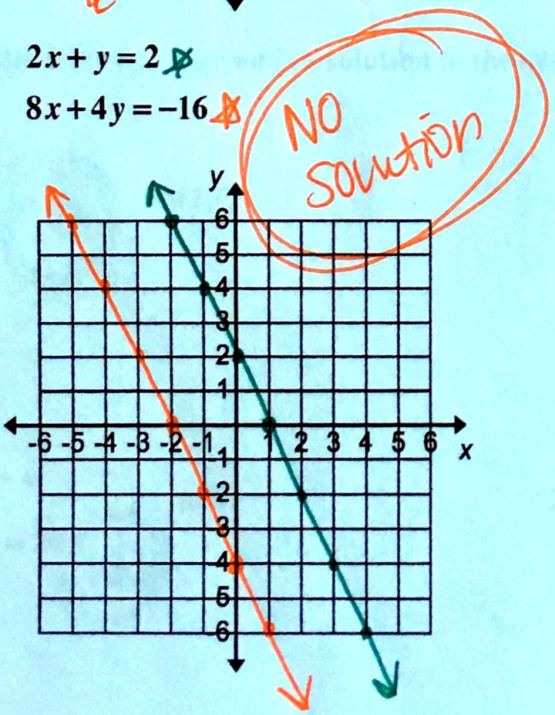
15) $x + 2y = 3$ ☆
$3x - y = -5$ ☆ $y = 3x + 5$



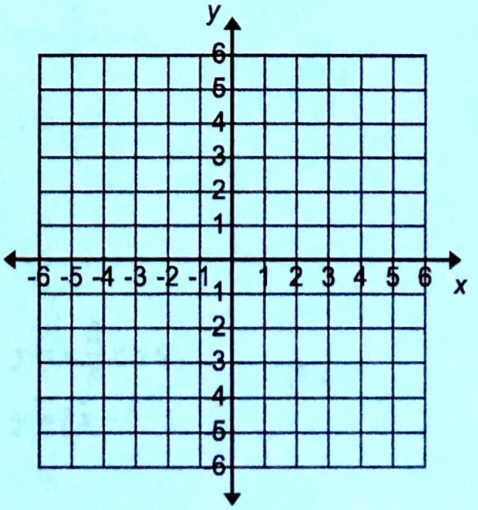
16) $x - y = 1$
$3x + y = -5$



17) $2x + y = 2$ ☆
$8x + 4y = -16$ ☆

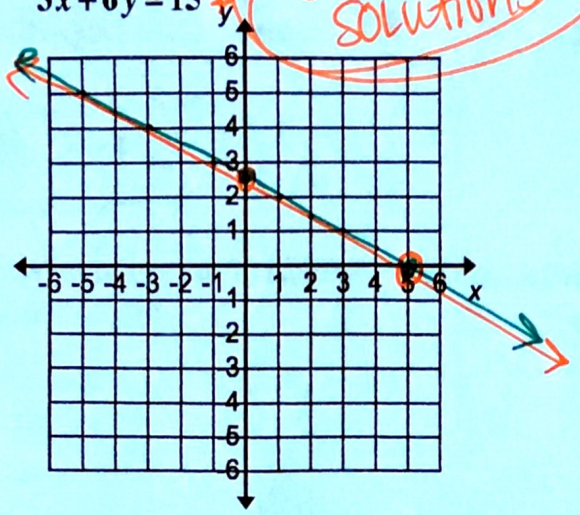


18) $x - y = -2$
$2x - y - 3 = -2$

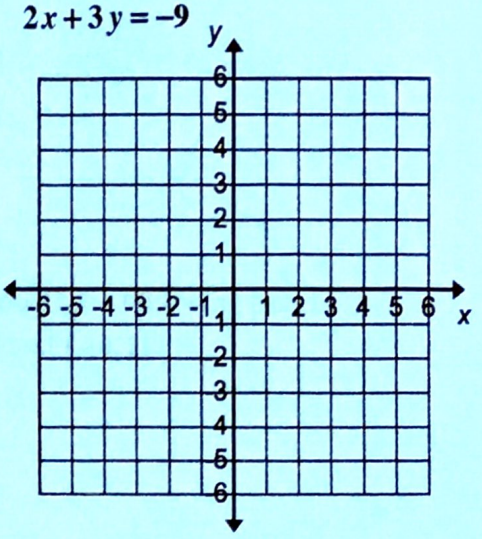


Solve each system of equations by graphing.

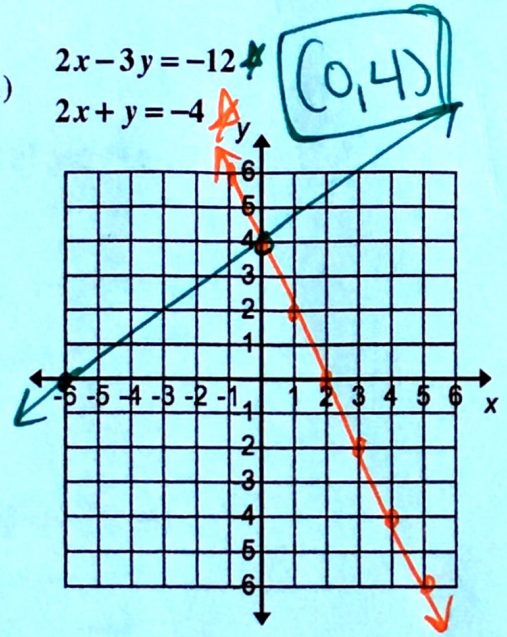
19) $x+2y=5$
$3x+6y=15$



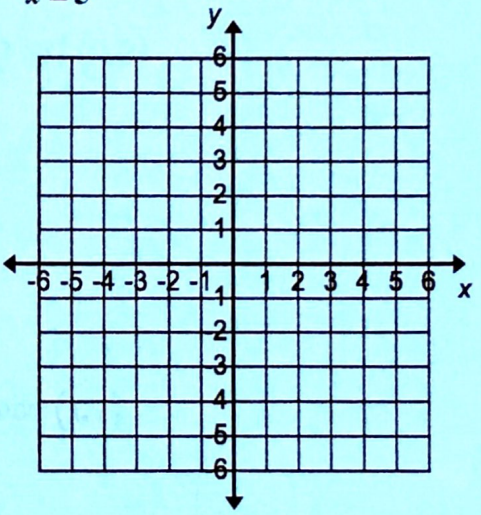
20) $3x+y=4$
$2x+3y=-9$



21) $2x-3y=-12$
$2x+y=-4$



22) $3x-2y=11$
$x=5$



Determine whether the point given is a solution to the system of equations. Show your work.

23) $y=-3x+5$
$y=2x$
(2,1)

NO

24) $y=\frac{3}{4}x-5$
$y=\frac{1}{4}x+1$
(12,4)

25) $y=\frac{3}{4}x-6$
$3x-4y=24$
(8,3)

NO

26) $y=-\frac{2}{5}x+6$
$y=3x-4$
(5,4)