

1) Solve the system of equations.

a) Put the equations below into y-form:

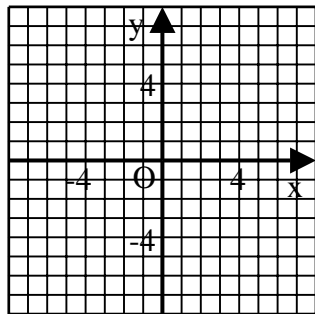
$$y + 2x = -2$$

$$-2x + 4y = 12$$

b) Solve for the point of intersection graphically by using the 3-point plotting method to plot both equations on the graph below:

x	y

x	y



c) What is the Point of Intersection? Read it from your graph.

POI(x, y) = \_\_\_\_\_

d) Solve for the POI by setting the x-parts of each equation equal to each other and solving for x.

e) Plug your x into one of y-form equations and solve for y:

f) Check by plugging your x into the other y-form equation:

g) Write the POI here:

POI(x, y) = \_\_\_\_\_

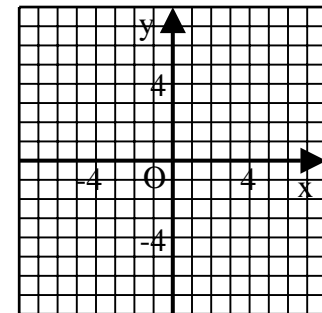
2)  $y - 3x = 1$

$y - x = -1$

b)

x	y

x	y



c) POI(x, y) = \_\_\_\_\_

d)

e)

f)

g)

POI(x, y) = \_\_\_\_\_

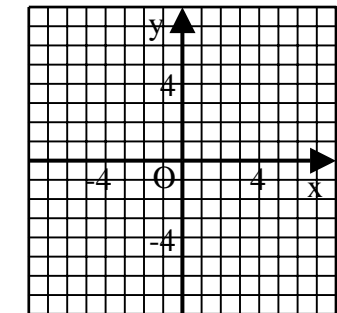
3)  $y - x = 2$

$y + 2x = -7$

b)

x	y

x	y



c) POI(x, y) = \_\_\_\_\_

d)

e)

f)

g)

POI(x, y) = \_\_\_\_\_

4) Solve the system of equations.

a) Put the equations below into y-form:

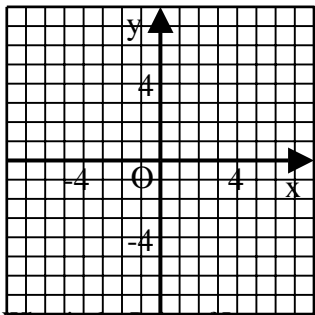
$$3x - y = 2$$

$$2x + y = 3$$

b) Solve for the point of intersection graphically by using the 3-point plotting method to plot both equations on the graph below:

x	y

x	y



c) What is the Point of Intersection? Read it from your graph.

POI(x, y) = \_\_\_\_\_

d) Solve for the POI by setting the x-parts of each equation equal to each other and solving for x.

e) Plug your x into one of y-form equations and solve for y:

f) Check by plugging your x into the other y-form equation:

g) Write the POI here:

POI(x, y) = \_\_\_\_\_

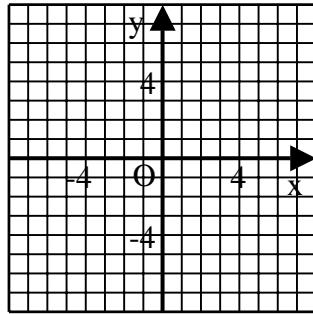
5)  $x - y = -4$

$x + 2y = 2$

b)

x	y

x	y



c) POI(x, y) = \_\_\_\_\_

d)

e)

f)

g)

POI(x, y) = \_\_\_\_\_

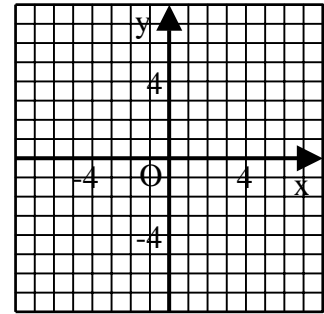
6)  $3y - 6x = 15$

$3y + 6x = 3$

b)

x	y

x	y



c) POI(x, y) = \_\_\_\_\_

d)

e)

f)

g)

POI(x, y) = \_\_\_\_\_