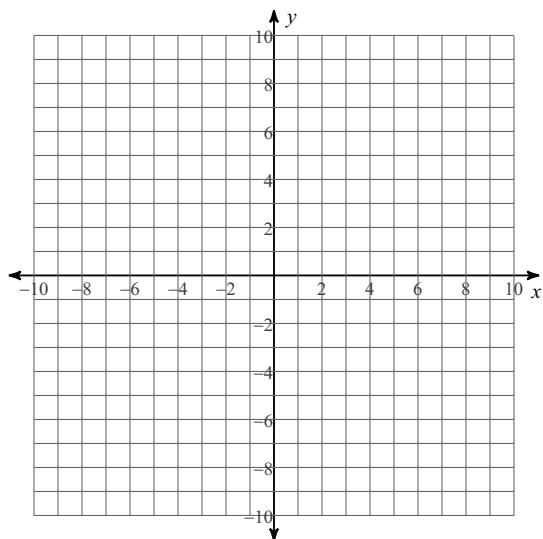


Homework #4 - Intersecting Lines

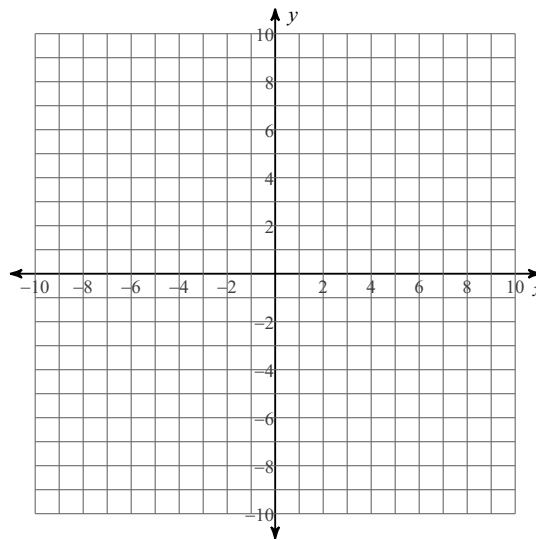
Due Date _____ 5A _____

Graph both lines using the y-intercept and slope. State the Point of Intersection.

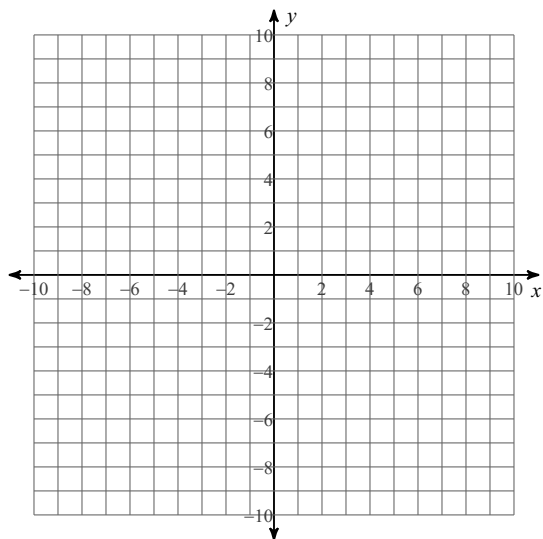
1) $y = 4x - 6$
 $y = -x + 9$



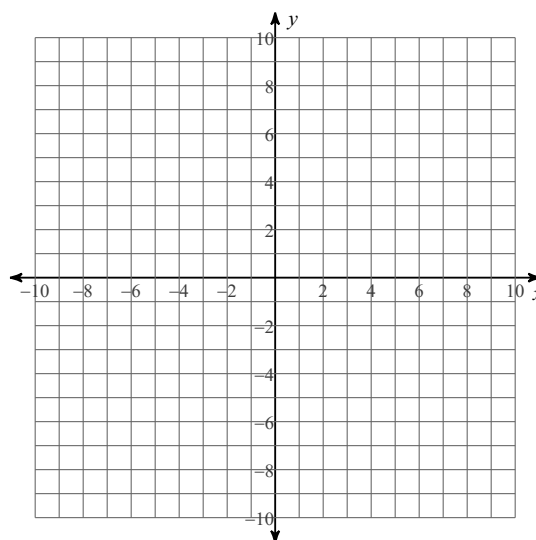
2) $y = \frac{3}{5}x - 5$
 $y = 2x + 2$



3) $y = \frac{4}{3}x - 6$
 $y = \frac{1}{6}x + 1$

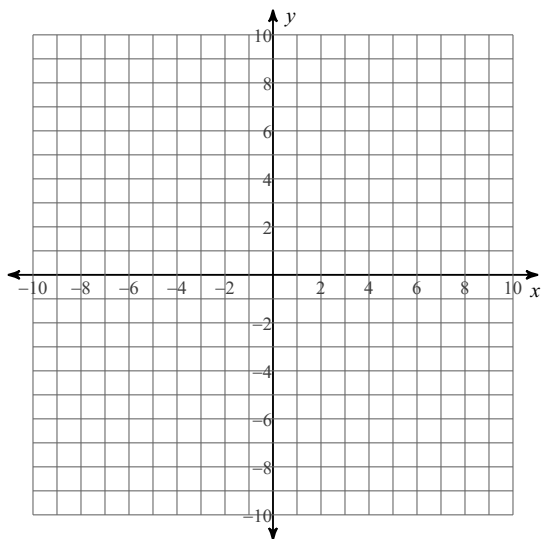


4) $y = -7$
 $y = -\frac{3}{2}x + 2$

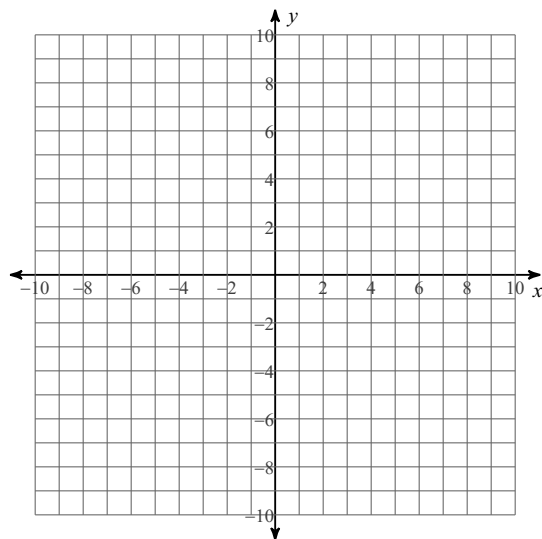


Graph both lines by finding the x-intercept and y-intercept. Do the work below the graph.

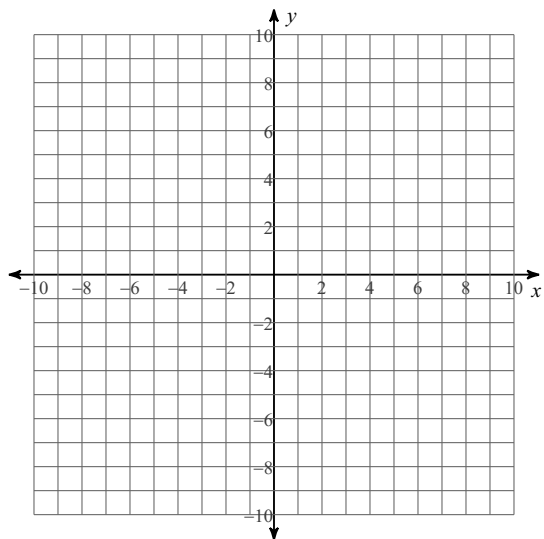
5) $x + 2y = 8$
 $7x - 2y = 8$



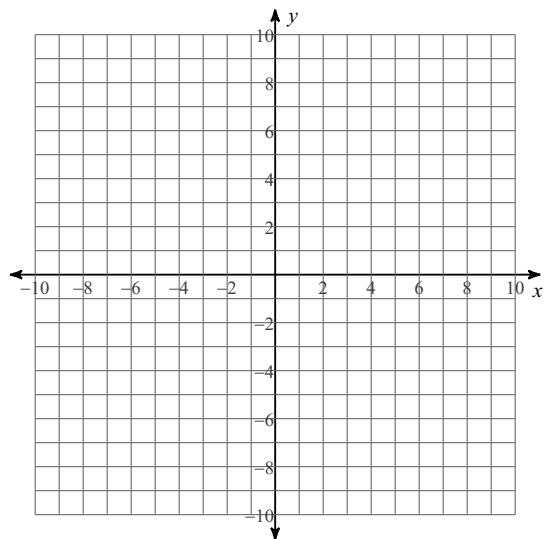
6) $5x + 3y = 27$
 $2x - y = 2$



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

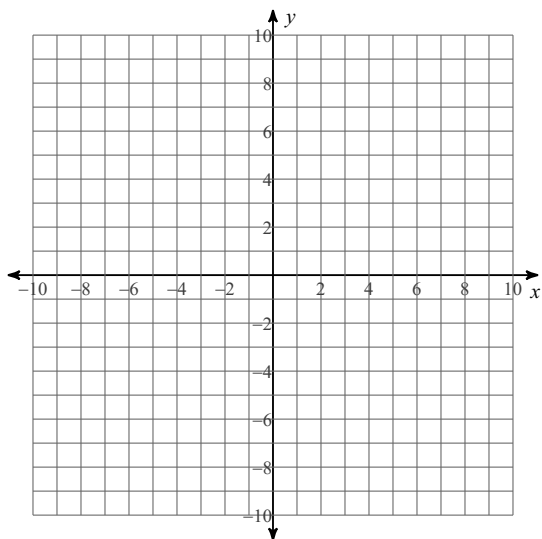


8) $6x + 7y = -21$
 $x = 7$

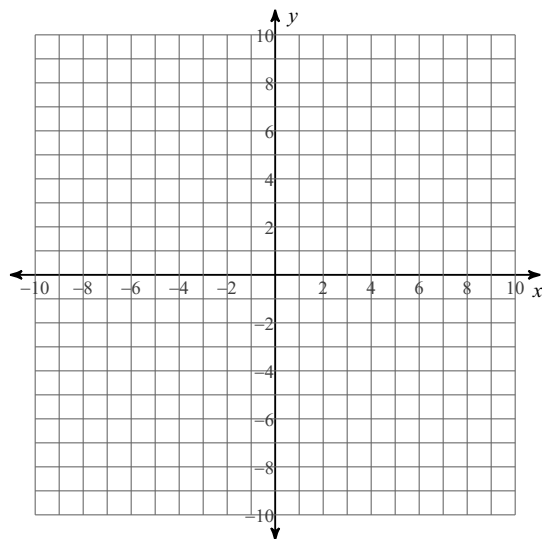


Graph each line by converting to $y=mx+b$ or Standard Form. State the PoI.

9) $-4y + x = 8$
 $-\frac{2}{3}y = -2 - x$



10) $y - x = -2$
 $2x - 9y = -45$

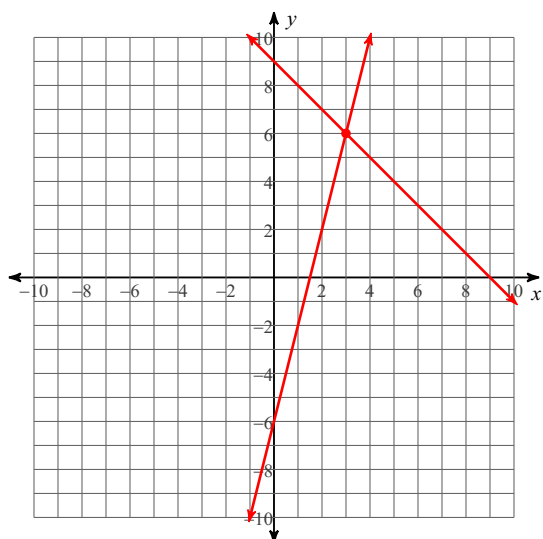


Homework #4 - Intersecting Lines

Due Date _____ 5A _____

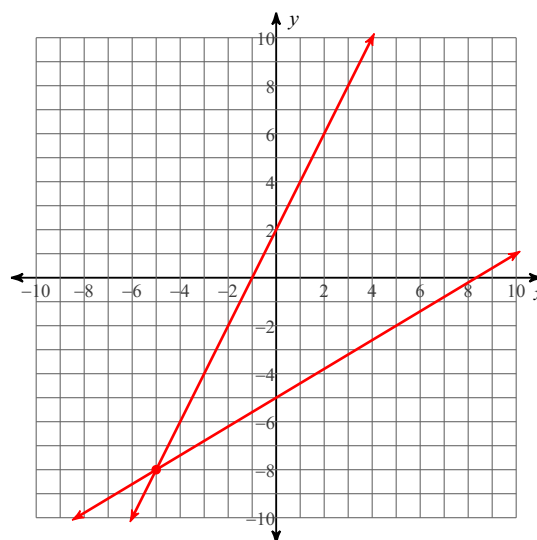
Graph both lines using the y-intercept and slope. State the Point of Intersection.

1) $y = 4x - 6$
 $y = -x + 9$



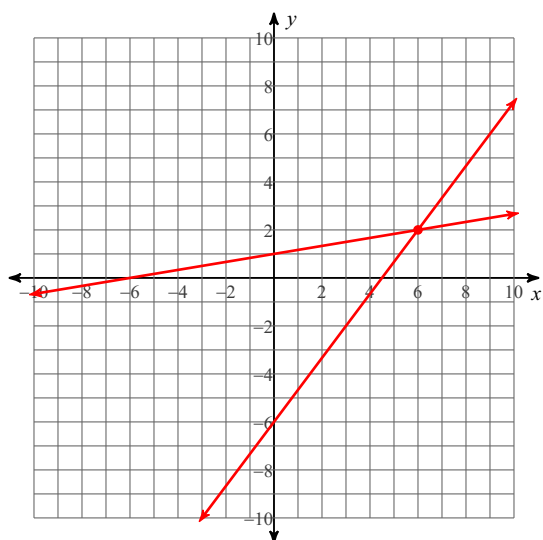
(3, 6)

2) $y = \frac{3}{5}x - 5$
 $y = 2x + 2$



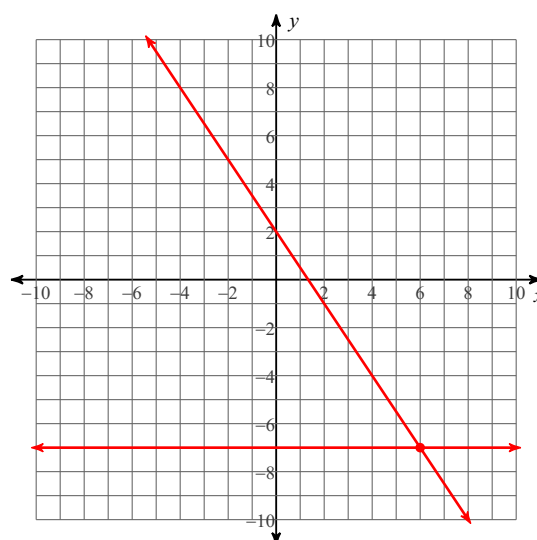
(-5, -8)

3) $y = \frac{4}{3}x - 6$
 $y = \frac{1}{6}x + 1$



(6, 2)

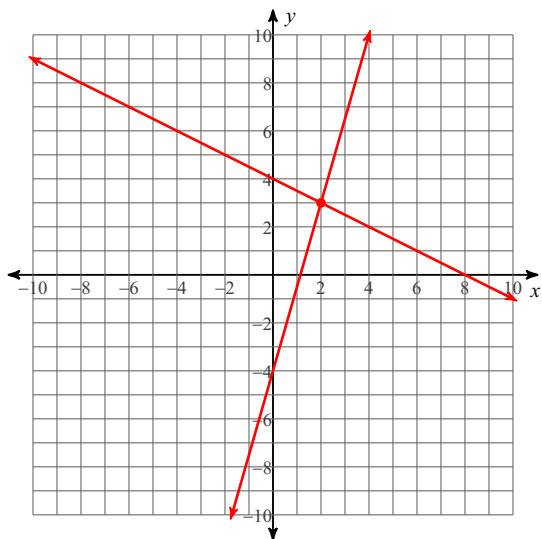
4) $y = -7$
 $y = -\frac{3}{2}x + 2$



(6, -7)

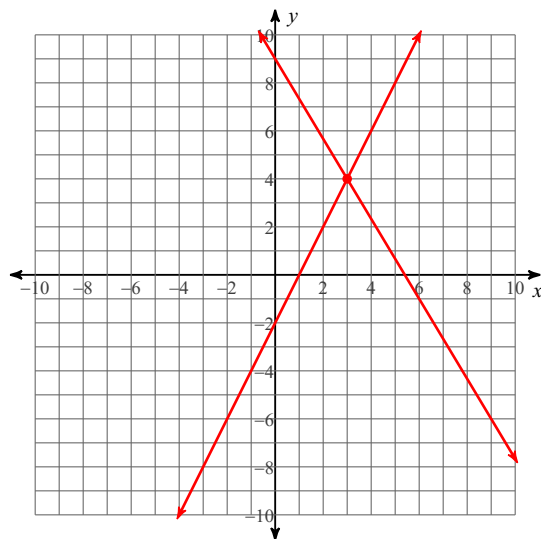
Graph both lines by finding the x-intercept and y-intercept. Do the work below the graph.

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



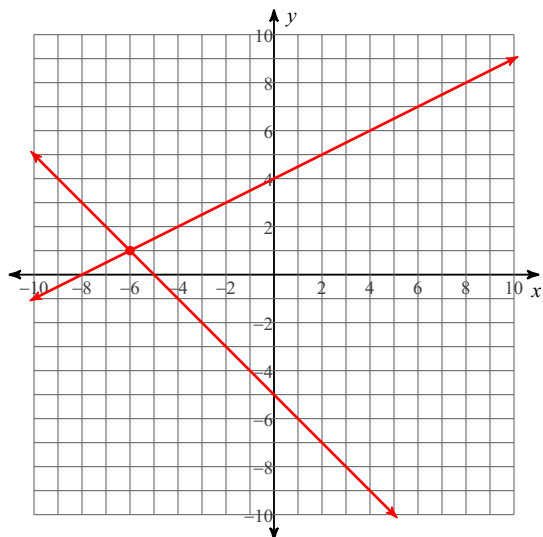
(2, 3)

6) $5x + 3y = 27$
 $2x - y = 2$



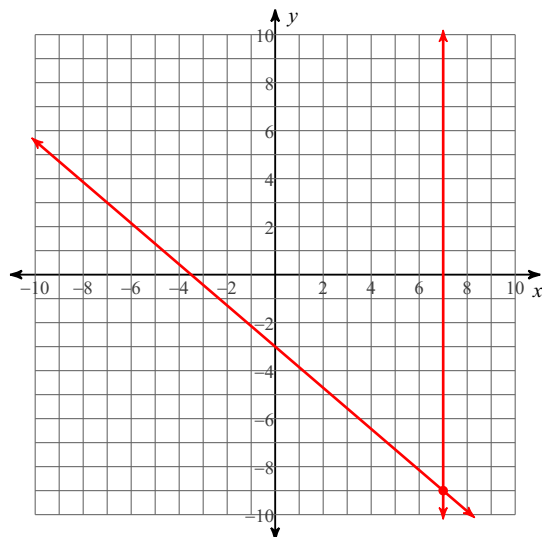
(3, 4)

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



$(-6, 1)$

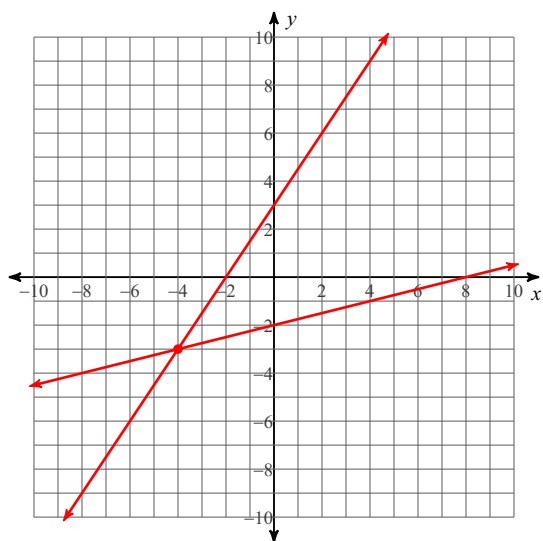
8) $6x + 7y = -21$
 $x = 7$



$(7, -9)$

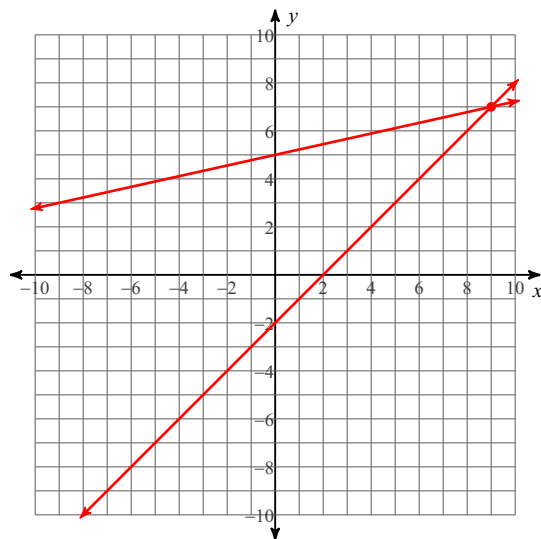
Graph each line by converting to $y=mx+b$ or Standard Form. State the PoI.

9) $-4y + x = 8$
 $-\frac{2}{3}y = -2 - x$



$(-4, -3)$

10) $y - x = -2$
 $2x - 9y = -45$



$(9, 7)$