

Math 1215 Hw 3

Name

Find equation in slope intercept form and graph:

1) $(3,-2)(-6,-8)$

2) $(-6,10)(9,-10)$

3) $m=4(-2,-5)$

4) $16x - 4y = 36$

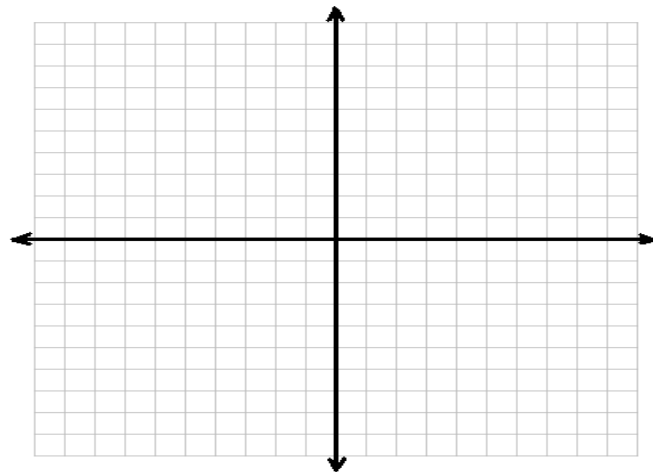
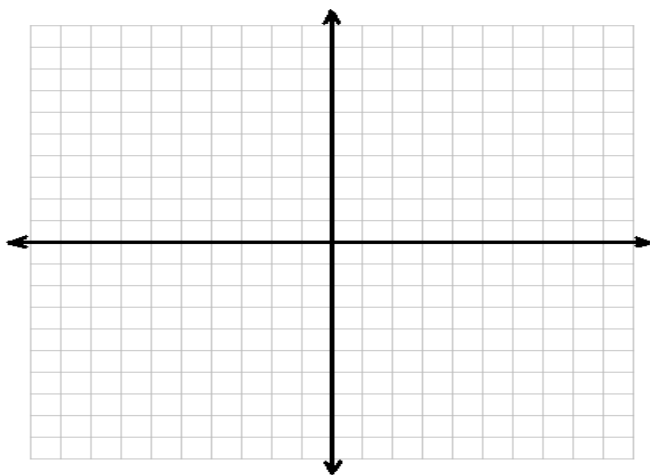
5) $8x + 24y = 96$

6) $m = \text{undefined}(-6, 5)$

Graph both of the lines on the same set of axis:

7) $y = -2x + 6$

8) $y = -2x - 5$



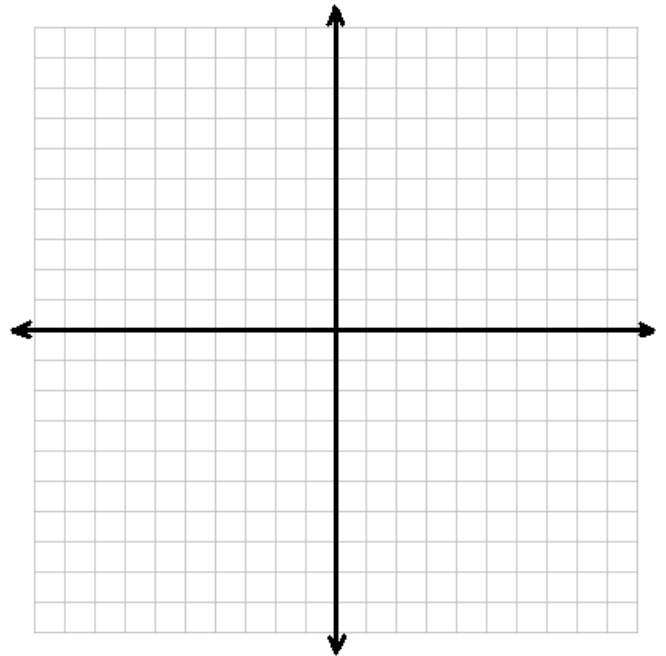
9) Use the two points to find the equation of the line. $(-5, 13)$ $(3, -3)$

10) Find the equation of the line parallel to $y = 3x - 2$, passing through $(-2, 1)$.

11) Solve the following system graphically:

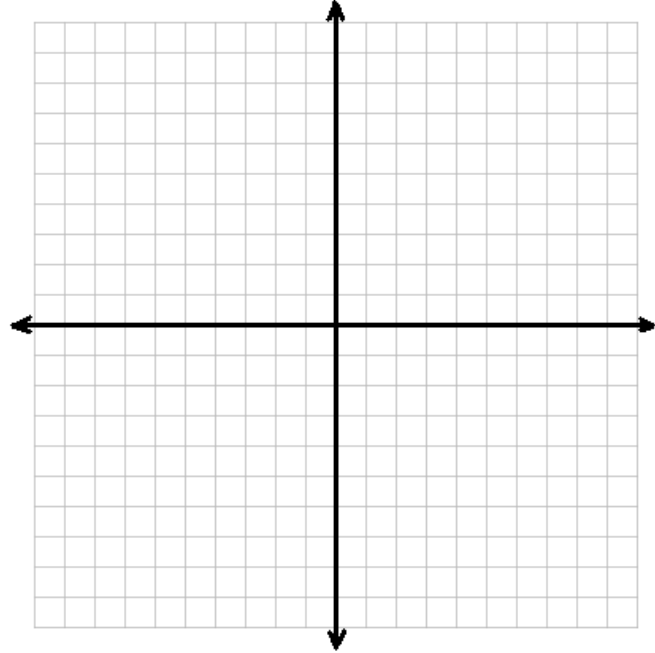
$$y = 2x - 5$$

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



Solve graphically and by elimination.

12) $12x - 8y = 48$
 $y - 4 = -2(x - 2)$



13) Solve:
 $12x - 6y = -6$
 $16x - 8y = 40$

14) Tickets for the Valentine Dance cost \$3 per person or \$5 per couple. If \$475 worth of tickets were sold and 180 people attended the dance, how many couples were there?