Math 088
Fall, 2016

Worksheet 5.1:

1. Calculate the following:

$\frac{1}{16} - \frac{3}{20} =$

$\frac{7}{30} \cdot \frac{45}{14} =$

$\frac{2}{5} + \frac{7}{25} - \frac{124}{125} =$

$\frac{5}{36} - \frac{7}{12} - \frac{5}{9} =$

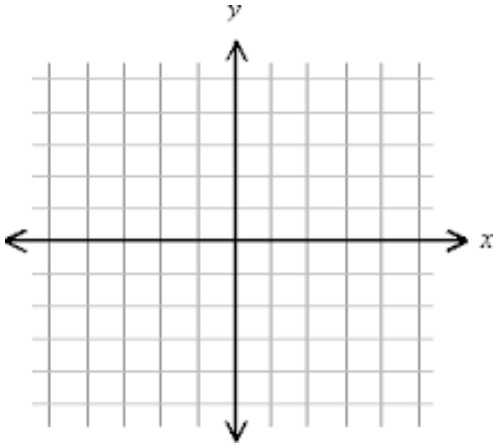
Systems of Equations

2. (a) Solve the system of equations

$2x + y = 4$
$x + 2y = -1$

Does the system have a unique solution, a dependent solution, or no solution?

(b) Graph the lines represented by each equation.



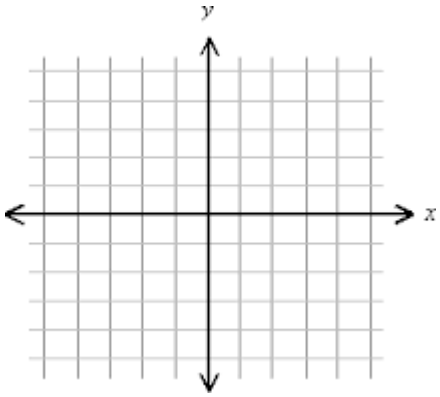
(c) How does your answer from (a) relate to your graph in (b)?

3. (a)

Solve the system of equations
$4x + 8y = 16$
$x + 2y = 4$

Does the system have a unique solution, a dependent solution, or no solution?

(b) Graph the lines represented by each equation.



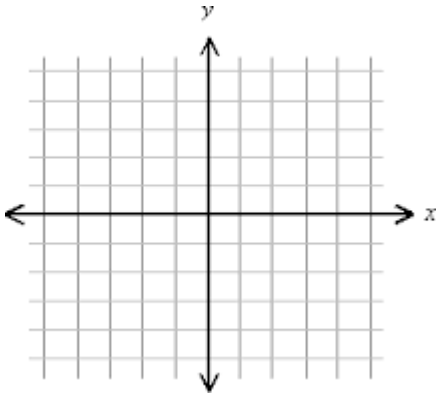
(c) How does your answer from (a) relate to your graph in (b)?

4. (a)

Solve the system of equations
$3x + 4y = 4$
$6x + 8y = 12$

Does the system have a unique solution, a dependent solution, or no solution?

(b) Graph the lines represented by each equation.



(c) How does your answer from (a) relate to your graph in (b)?