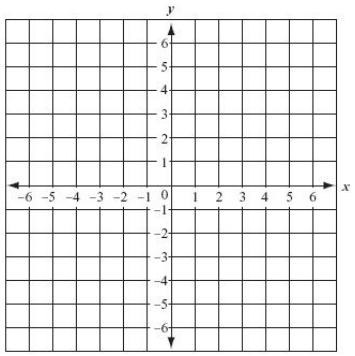
Name: _____

Homework – Monday (January 21, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

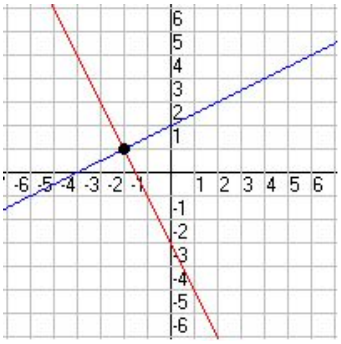
1. Solve the system by graphing.



$y = -x - 2$

$y = 3x + 1$

2. What is the solution to the system?



3. Is the point (2, 0) a solution to the system of equations?

$y = -3x + 6$

$y = 2x - 4$

4. What is the value of *k* if there are infinite solutions? Explain.

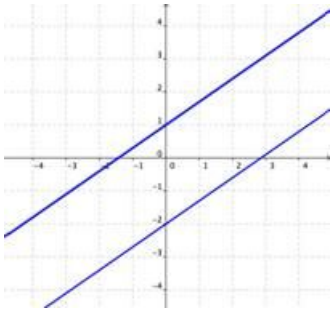
$y = 5/4x + 8$

$y = kx + 8$

Homework- Tuesday (January 22, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

1. How many solutions in the system?



2. What is the value of *k* if there are infinite solutions? Explain.

$y = -½ x + 2$

$y = -½ x + k$

3. What is the solution to the system?

$y = -1/2x - 1$

$y = ¼ - 4$

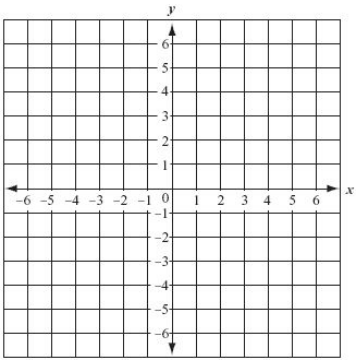
4. Given the equation $y = 1/2x - 3$, which expression below would create a system with no solutions? Explain.

a. $y = 1/2x - 3$
b. $y = 1/2x - 3$
c. $y = -1/2x + 3$
d. $y = 1/2x - 3$

Homework - Wednesday (January 23, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

1. Solve this system by graphing.



y = 2x

y = x + 1

2. What is the value of *y* in the solution to the system?

y = x - 7

y = - 1/2x + 5

3. What value for *x* and *y* would satisfy both of these equations?

y = x + 7

y = 1/3x + 3

4. Is the point (2, 5) a solution to the system of equations?

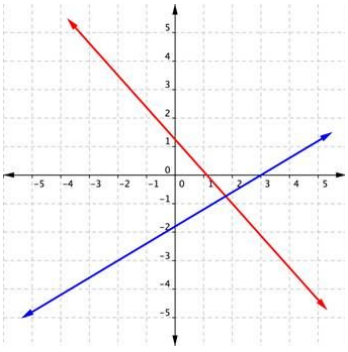
y = -x + 7

y = 2x + 1

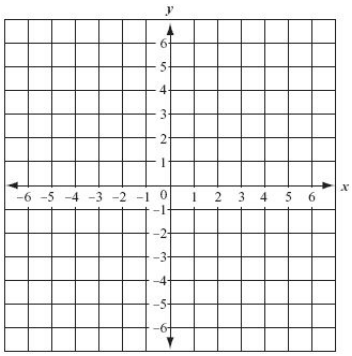
Homework - Thursday (January 24, 2019)

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

1. What is the solution to the system?



2. Solve the system by graphing.



y = x +5

x + y = 1

3. What is the value of *k* if there are no solutions? Explain.

y = -2x + 5

y = *k*x + -2

4. Is the point (-2, 1) a solution to the system of equations?

3x - y = 7

2x + 3y = 1