Solving Linear Systems by Graphs and Tables Name

KEY	
Paniod	

Homework

1. Complete the following tables to find the solution to the system.

a. <i>(</i>	(1,-1)	
X	y = x - 2	y = -2x + 1
-2	- L	5
-1	- 3	3
0	6	1
$\subset 1$		part of the second seco
2	0	-3

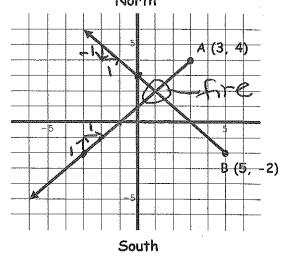
b.	(-0	
X	$y = \frac{1}{2}x + 2$	y = -x - 1
-2	and the second s	I
-1	1.5	Ó
0	a	·)
1	a,5	-3
2	3	-3

- 2. Fire tower A spots a thread of smoke due southwest from its location at (3, 4) on a giant coordinate system. Fire tower B spots that same thread of smoke on a line due northwest for (5, -2).
 - a. What is the equation of the line of sight from A in slope intercept form?

b. What is the equation of the line of sight from B in slope intercept form?

$$y=-X+3$$

c. Where is the fire? (1,2)



- 3. The graph shows the income and expenses for Karl's car rental company. Remember the profit is the income minus the expenses. P = T - E
 - a. After how many months will Karl begin to make a profit? After 4 months he will make a profit.
 - b. What does the point of intersection represent?, This point is whole he will snow injus This point is une = Expenses at this & point I
 - c. Write an equation to represent the point expenses. [E = 250m + 18000 P=18,000

