Name _____

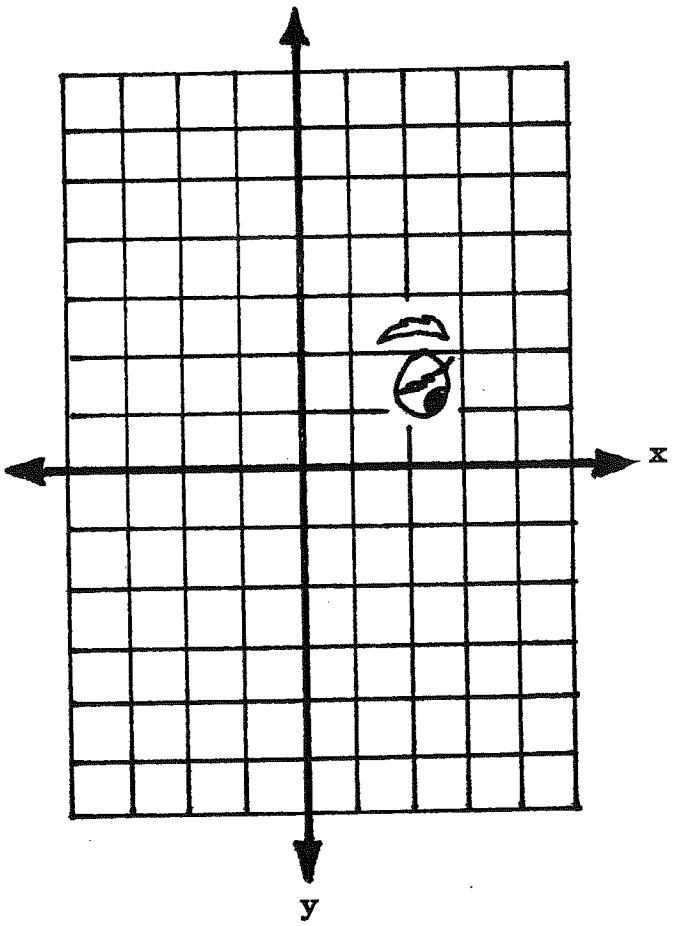
Date _____

ACTIVITY 69

Solving Systems of Equations Graphically *(continued)*

Directions Solve the following equations by graphing on a separate sheet of graph paper. Show your work. Then, on the graph at the bottom of this page, graph the ordered pairs that represent the answers. Connect the dots in the same order as the problems are numbered and a cartoon face will appear.

1. $x + y = 8$
   $y - x = 2$
2. $x + y = 5$
   $x - y = 1$
3. $x + y = 3$
   $x = -4y$
4. $y = -3x$
   $x + y = -2$
5. $2x + y = 2$
   $x + y = -1$
6. $3x + 2y = -17$
   $y = x - 1$
7. $y = 2x + 10$
   $x + y = 1$
8. $3x - y = 4$
   $x - y = -2$



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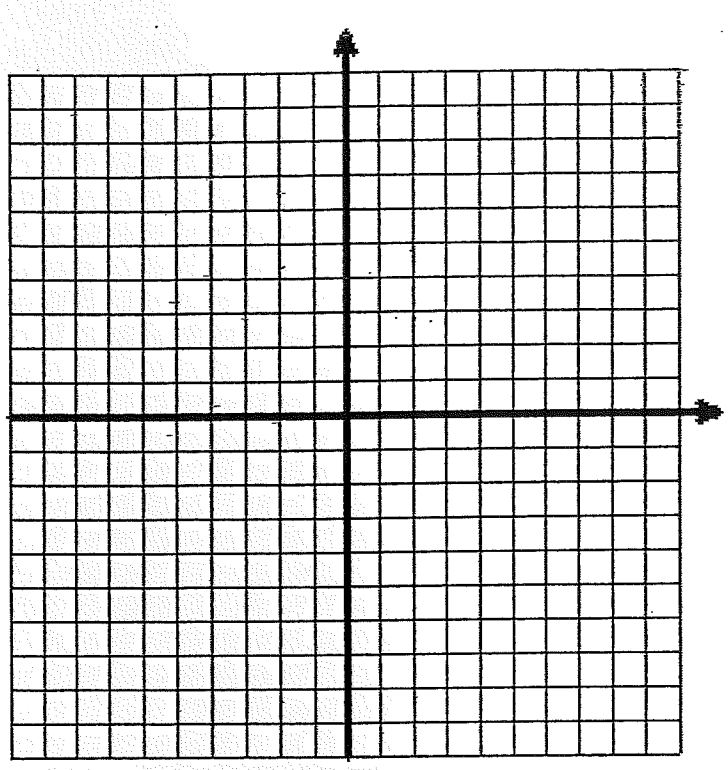
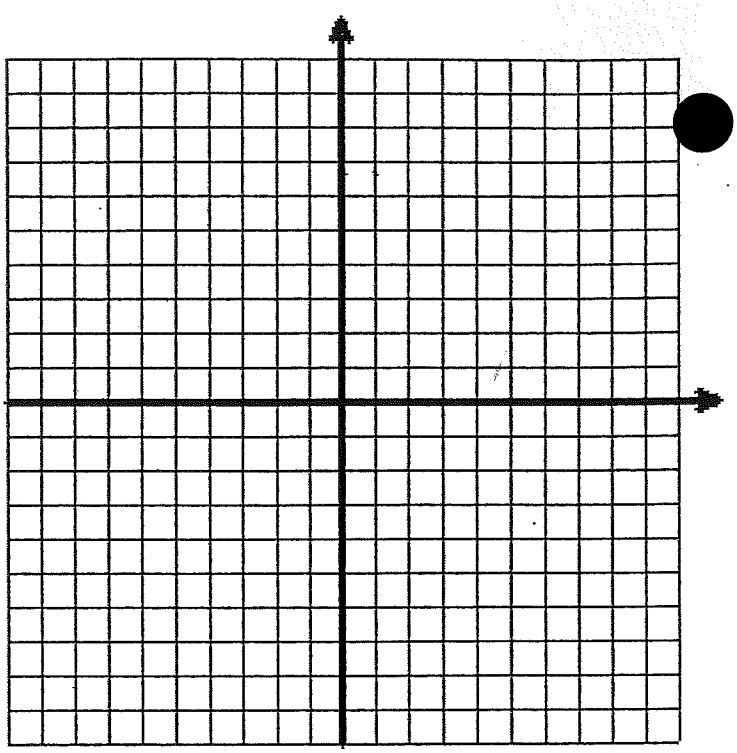
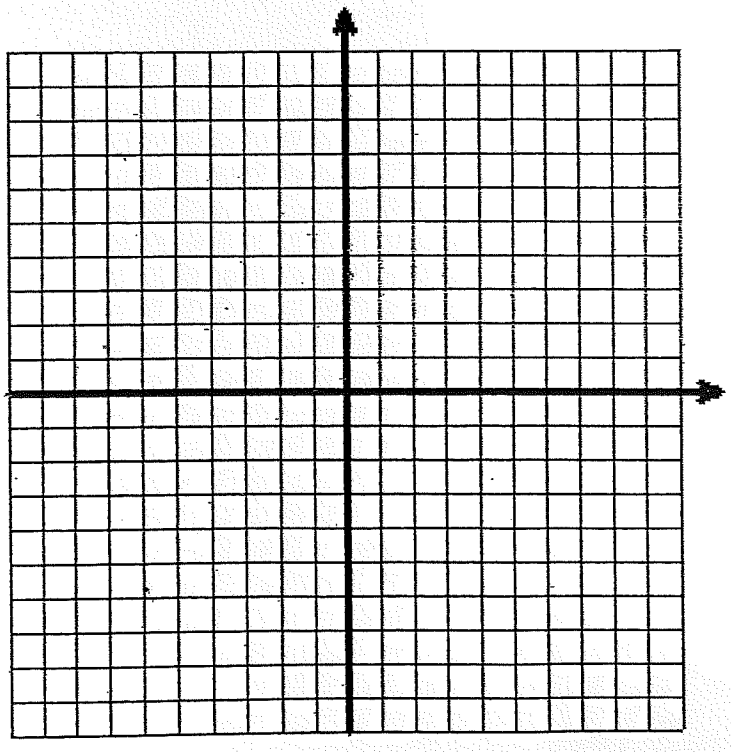
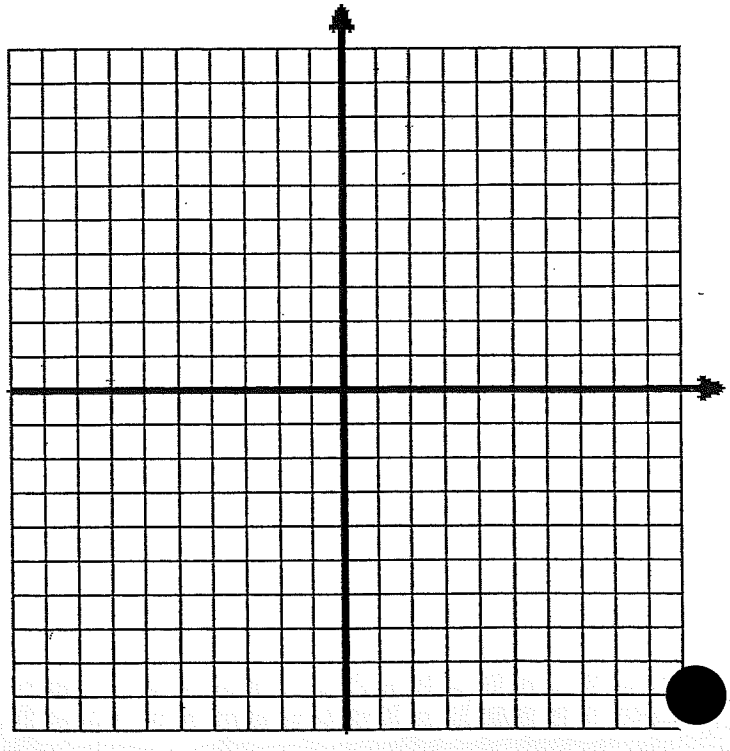








Name _____

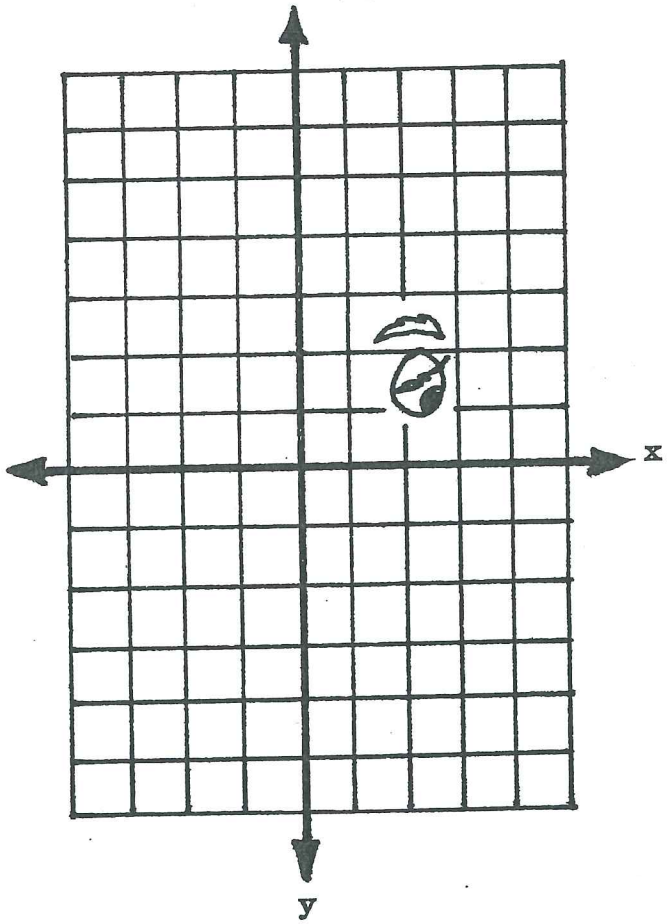
Date 6th

ACTIVITY 69

Solving Systems of Equations Graphically *(continued)*

Directions Solve the following equations by graphing on a separate sheet of graph paper. Show your work. Then, on the graph at the bottom of this page, graph the ordered pairs that represent the answers. Connect the dots in the same order as the problems are numbered and a cartoon face will appear.

1. $x + y = 8$ (3, 5)
   $y - x = 2$
2. $x + y = 5$ (3, 2)
   $x - y = 1$
3. $x + y = 3$ (4, -1)
   $x = -4y$ $y = -\frac{1}{4}x + 0$
4. $y = -3x + 0$
   $x + y = -2$ (1, -3)
5. $2x + y = 2$ (3, -4)
   $x + y = -1$
6. $3x + 2y = -17$
   $y = x - 1$
7. $y = 2x + 10$
   $x + y = 1$
8. $3x - y = 4$
   $x - y = -2$



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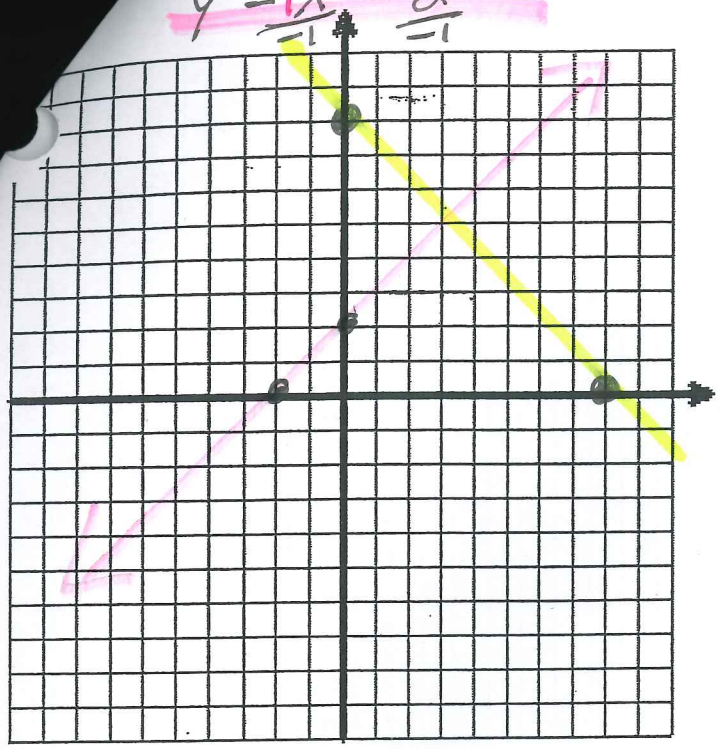
$x + y = 8$

$y - 1x = 2$

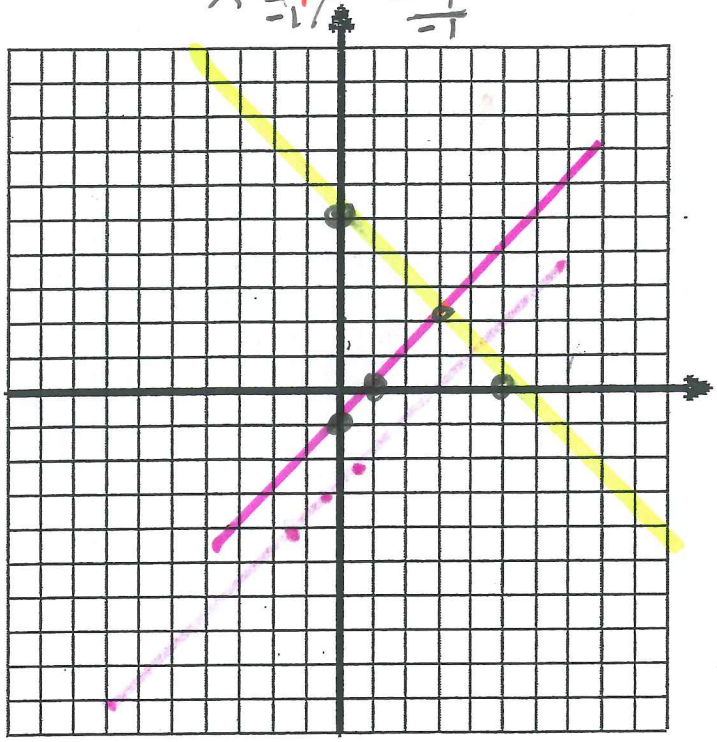
$\frac{-1}{-1} \quad \frac{2}{-1}$



#2 $x + y = 5$

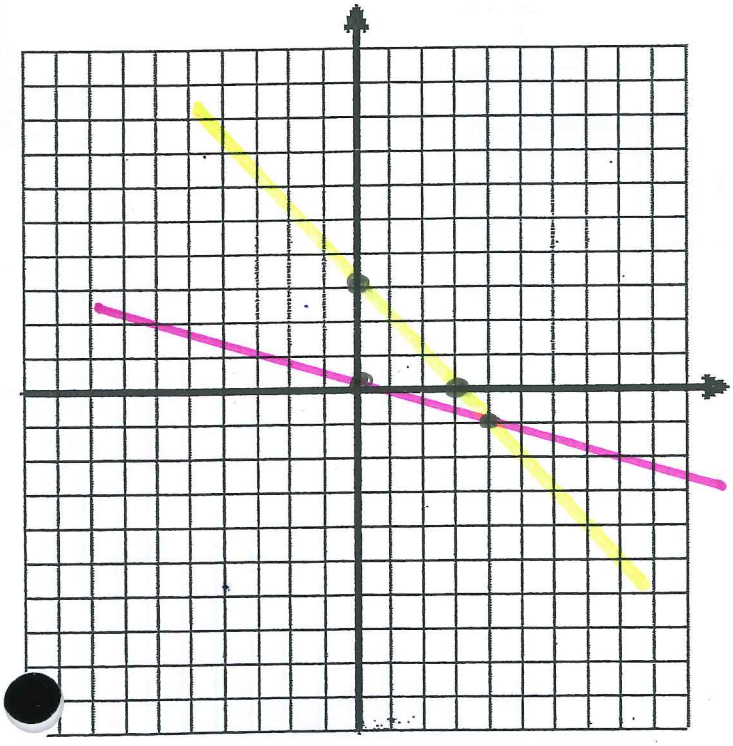
$x - 1y = 1$

$\frac{-1}{-1} \quad \frac{1}{-1}$



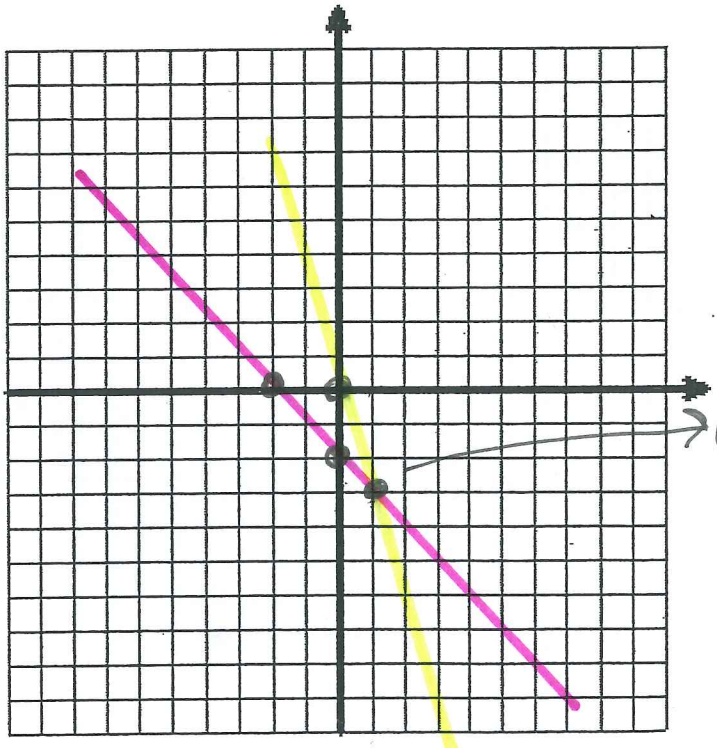
#3 $x + y = 3$

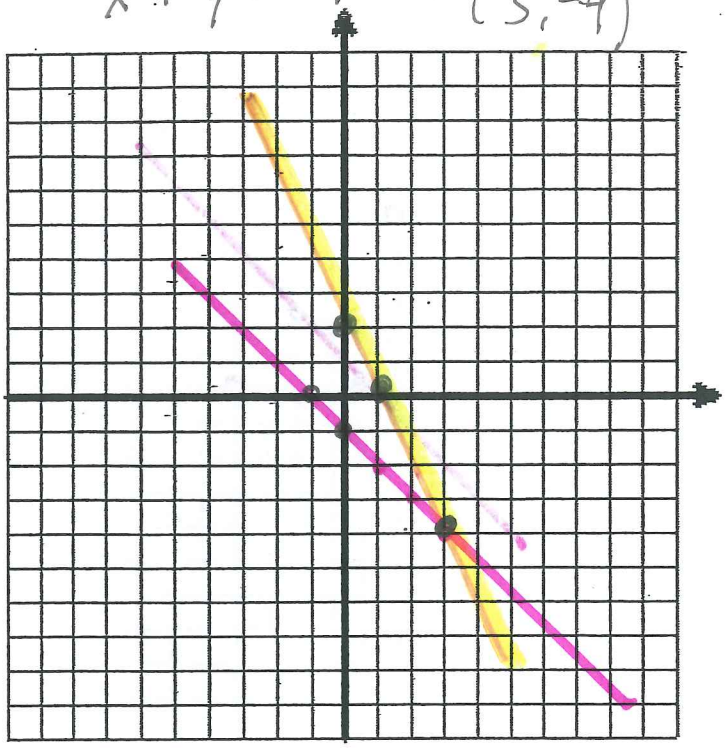
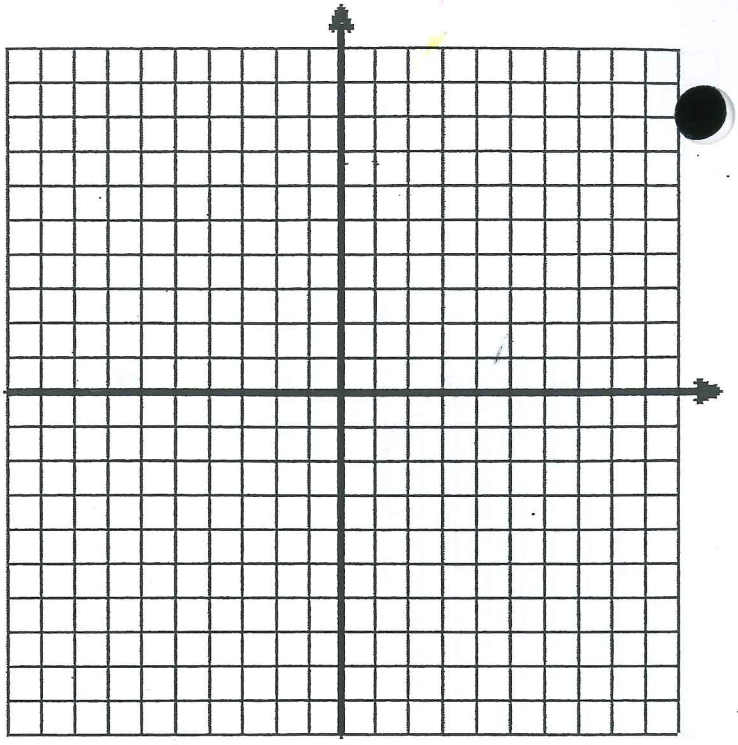
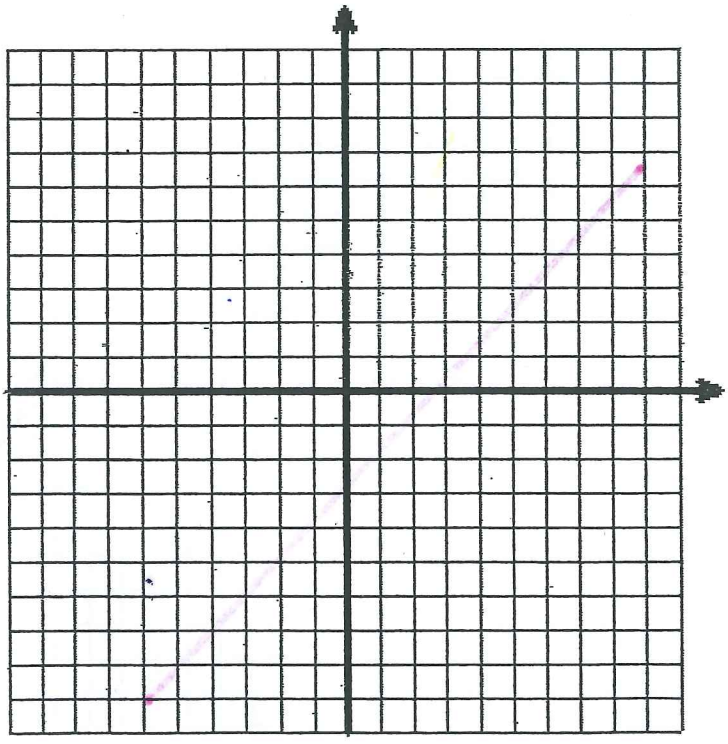
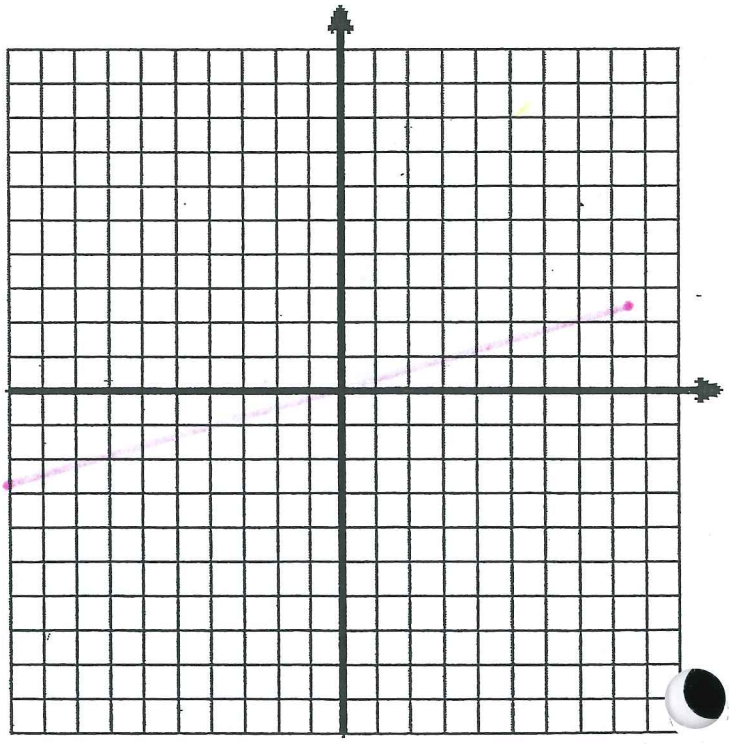
$y = \frac{-1}{+4}x + 0$ ← b



#4 $y = \frac{-3}{+1}x + 0$ → start

$x + y = -2$



#5 $2x+y=2$

$x+y=-1$ (3, -4)