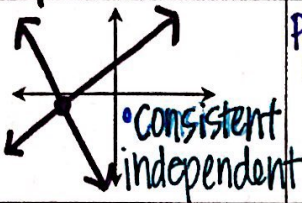
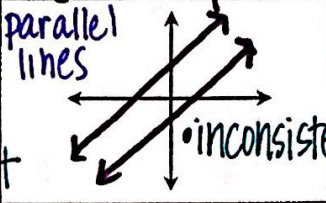
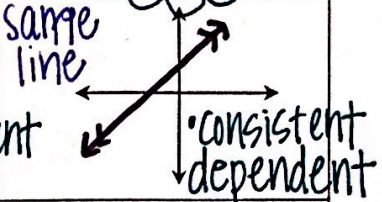


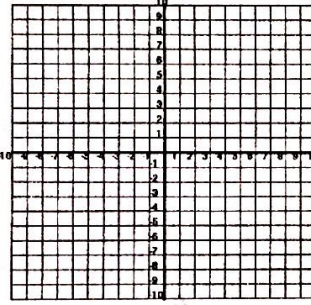
1.2 GRAPHING GUIDED NOTES

Name:	Date:
Topic:	Class:

Main Ideas/Questions	Notes/Examples
System of Equations	TWO or more linear equations graphed on the same plane HOV VUX
Types of Solutions	
	One Solution
	
	No Solution
	
	Infinite Solution

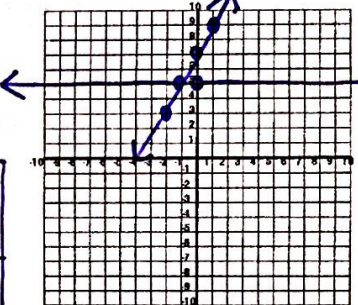
Solve by Graphing
Solve each system of equations below by graphing. Identify the solution.

1. $y = -\frac{5}{3}x - 6$
 $y = \frac{1}{6}x + 5$



2. $y = 5$
 $y = 2x + 7$

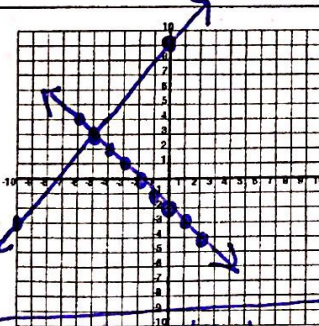
$(-1, 5)$
consistent independent



3. $6x - 5y = -45$
 $2x + 2y = -4$

$-5y = -6x - 45$
 $\rightarrow y = \frac{6}{5}x + 9$
 $2y = -2x - 4$
 $\rightarrow y = -x - 2$

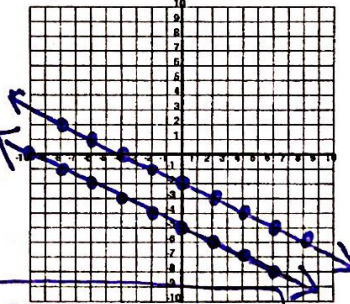
$(-5, 3)$ consistent independent



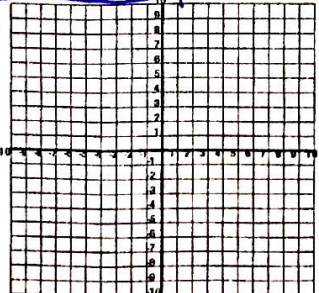
4. $3x + 6y = -12$
 $y = -\frac{1}{2}x - 5$

$6y = -3x - 12$
 $\rightarrow y = -\frac{1}{2}x - 2$

NO SOLUTION inconsistent



5. $2y = 8x + 18$
 $24 + 4y = x$



6. $-y = -x - 6$
 $3x + 18 = 3y$

