Name: _____
Date: _____
Hour: _____

Algebra Friday Review #1: Due Monday February, 2, 2015

Short Answer Practice:	**Short answer practice:**
1. HOY stands for _____	1. In y = -x +3 what is the slope? _____
2. VUX stands for _____	2. In y = x, what is the slope? _____
3. Standard Form = _____	3. In x = 4, what is the slope? _____
4. Slope intercept form = _____	4. In y = 2, what is the slope? _____
5. The goal of systems is to _____	5. Evaluate: x^2, when x = -2 _____
6. List two ways to show the solution to a system: a. b.	6. Evaluate: $-x^2$, when x = -2 _____

Vocabulary: Short answer

A sentence in a system is called a _____	
A set of sentences joined by the word "and" which together describe a single situation is called a _____	
A pair of numbers which satisfies all the conditions of the system. (The point of intersection on the graph) is called the _____ of the system.	
Parallel lines have the _____ slope	
Perpendicular lines have _____, _____ slopes.	
Give the formula for rate of change.	
$\frac{2}{3}, \frac{3}{2}$ These numbers are called _____	
3x + 7y = 4 is in what kind of form?	

Kuta Software - Infinite Algebra 1

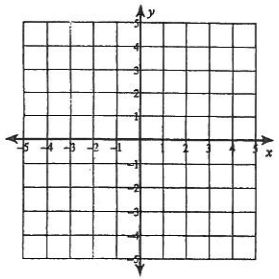
Name_____

Solving Systems of Equations by Graphing

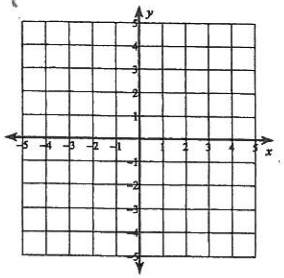
Date_____ Period____

Solve each system by graphing.

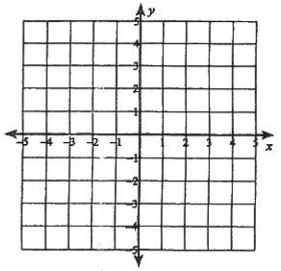
1) $\begin{cases} y = -\frac{5}{3}x + 3 \\ y = \frac{1}{3}x - 3 \end{cases}$



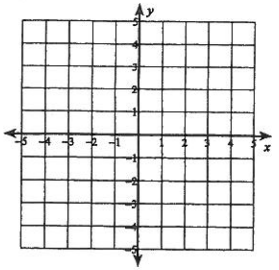
2) $\begin{cases} y = 4x + 3 \\ y = -x - 2 \end{cases}$



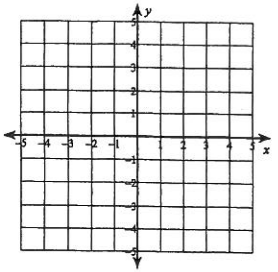
3) $\begin{cases} y = -\frac{1}{2}x - 1 \\ y = \frac{1}{4}x - 4 \end{cases}$



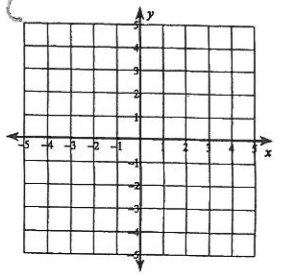
4) $\begin{cases} y = -1 \\ y = -\frac{5}{2}x + 4 \end{cases}$



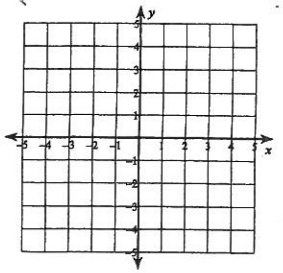
5) $\begin{cases} y = 3x - 4 \\ y = -\frac{1}{2}x + 3 \end{cases}$



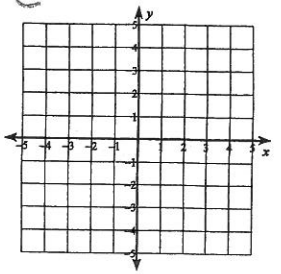
6) $\begin{cases} y = -2x + 2 \\ y = -2x - 2 \end{cases}$

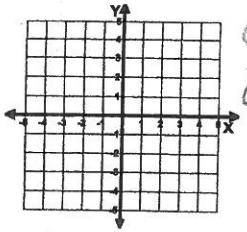


7) $\begin{cases} y = -\frac{1}{2}x - 2 \\ y = -\frac{3}{2}x + 2 \end{cases}$



8) $\begin{cases} y = \frac{1}{3}x - 3 \\ y = -x + 1 \end{cases}$



1)  $\begin{cases} y = \frac{1}{2}x + 5 \\ y = -\frac{5}{2}x - 1 \end{cases}$

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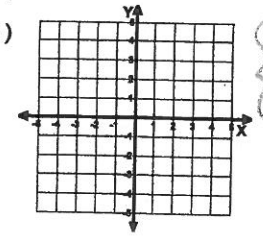
2)  $\begin{cases} 5x + 2y = -4 \\ -x + 2y = 8 \end{cases}$

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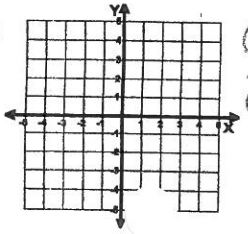
3)  $\begin{cases} y = \frac{3}{2}x + 3 \\ y = -3 \end{cases}$

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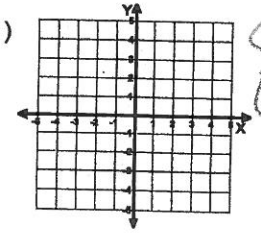
4)  $\begin{cases} y = -2x + 2 \\ y = \frac{1}{3}x - 5 \end{cases}$

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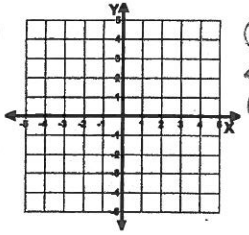
5)  $\begin{cases} 2x + 3y = -6 \\ -2x + 3y = 6 \end{cases}$

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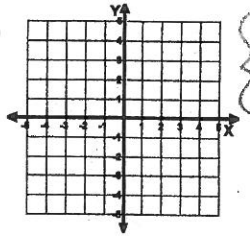
6)  $\begin{cases} -2x + y = 2 \\ y = 4 \end{cases}$

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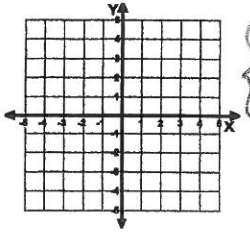
7)  $\begin{cases} y = -\frac{2}{5}x - 2 \\ y = -4 \end{cases}$

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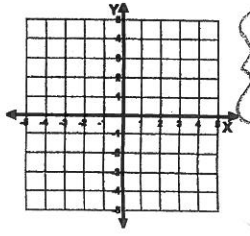
8)  $\begin{cases} -3x + 2y = 6 \\ y = 3 \end{cases}$

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