

Unit 5 Review: Systems of Equations

Instructions: Please complete this review in order to use on the test tomorrow. Your test WILL NOT be graded until this review is completed. (Please turn in at the end of the testing period)

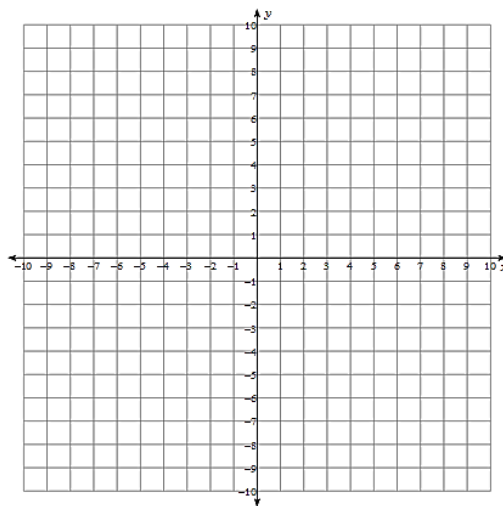
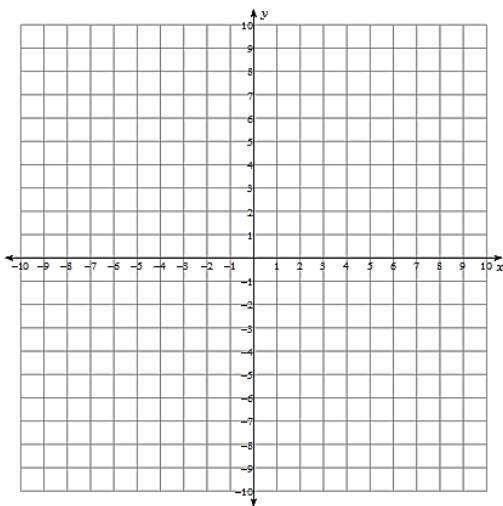
1) Fill in the following table:

	One Solution	Infinite Solutions	No Solutions
Graphing			
Elimination			
Substitution			

Solve the following Systems by graphing state if it has one, infinite, or no solutions:

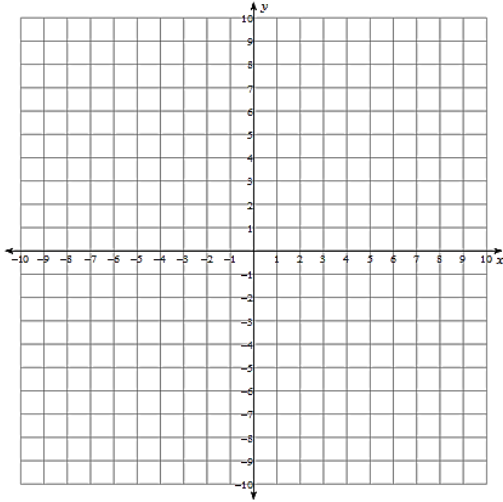
1) $9 - 5x = 3y$
 $3y = 9 - 5x$

2) $y + 2x = -4$
 $4x - y = -2$



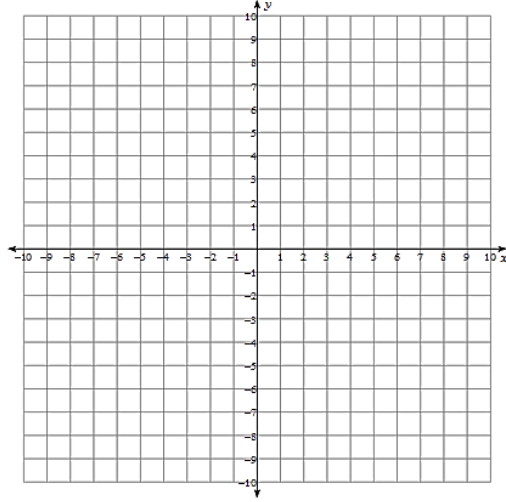
$$3) \quad y \geq -x - 2$$

$$y > \frac{1}{3}x + 2$$



$$4) \quad y < \frac{4}{3}x + 2$$

$$y \geq -2$$



Solve the following Systems using Substitution and state if it has one, infinite, or no solutions:

$$5) \quad -2x + y = -4$$

$$2y = 4x$$

$$6) \quad 2x - 4y = -20$$

$$y = 23 - 4x$$

Solve the following Systems using Elimination state if it has one, infinite, or no solutions:

$$7) \quad 3x + 18y = 9$$

$$-4x - 9y = 18$$

$$8) \quad -9x + 10y = -12$$

$$-x + 2y = 4$$

