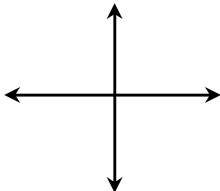
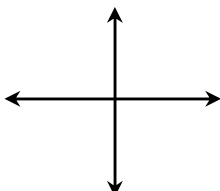
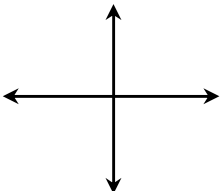
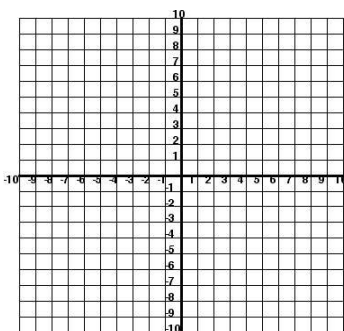
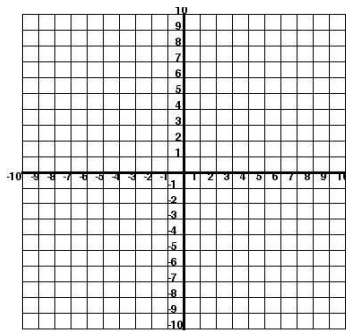
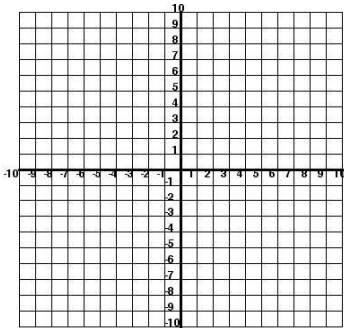
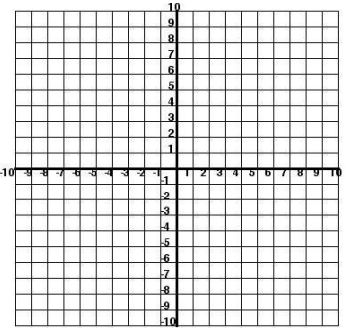
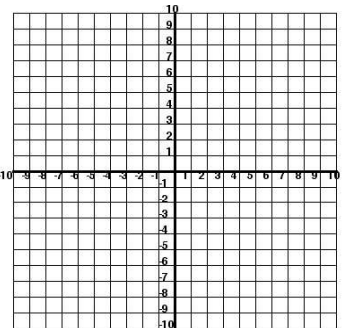
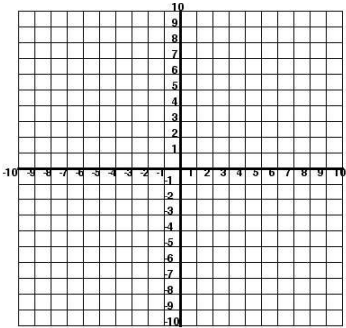


Name:

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Main Ideas/Questions	Notes/Examples		
System of Equations			
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. $y = 5$ $y = 2x + 7$		
			
3. $6x - 5y = -45$ $2x + 2y = -4$	4. $3x + 6y = -12$ $y = -\frac{1}{2}x - 5$		
			
5. $2y = 8x + 18$ $24 + 4y = x$	6. $-y = -x - 6$ $3x + 18 = 3y$		
			

Solve by Substitution	①	SOLVE one equation for x or y. (Isolate a variable)
	②	SUBSTITUTE the resulting equation from step 1 into the other equation for that variable.
	③	SOLVE for the remaining variable.
	④	SUBSTITUTE your answer from step 3 into either original equation to find the other variable.
Directions: Solve each system of equations below by substitution. Identify the solution.		
7. $y = -7x - 1$ $y = x - 9$		8. $y = -5x + 30$ $7x + 3y = 42$
9. $6x - 5y = -28$ $7x + y = 22$		10. $x - 7y = 53$ $-4x - 5y = 19$
11. $2y = 6x + 10$ $3x - y = 5$		12. $5x + 7y = -17$ $4x - 3y = -5$