	Question		Answer		
Answer these questions as completely as you can. [10 points total for #1 and #2]					
1	Given two linear equations in two				
	unknowns, to be solved				
	simultaneously, show in a sketch				
	the three possibilities for the set				
	of solutions of the equations. [7				
	points]				
2	Name each possibility above [3				
	points]				
Each of the questions below is worth 15 points. Solve and check each system. Show <u>all</u> of your work.					
	Problem	Work		Answer	
3	2x - 3y = 4				
	2x + 3y = 8				
	(Solve by				
	substitution)				
4	2x - 3y = 4				
	2x + 3y = 8				
	(Solve by				
	Gaussian				
	elimination)				
5	2x - 3y = 4				
	2x + 3y = 8				
	(Solve by				
	graphing)				
6	2x - 3y = 4				
	2x + 3y = 8	1			
	(Solve by				
	Cramer's rule)				
	,				
7	2x -3y = 5				
	6x +9y = 15				
	(solve by any				
	method)				
8	2x -3y = 5				
	6x +9y = 10				
	(solve by any				
	method)				