Algebra Tour Guide Project

Congratulations! You have been selected to plan a trip for visitors from the planet Mars to see 6 historical cities in the United States. Their spacecraft only travels by programming it with linear equations in slope intercept form for given domains and ranges. Their map of the United States is attached. As you can see, their origin is at Salina, Kansas. That is where your tour should start. Your job is to select the 6 cities for them to visit in a specific order and give them the linear equations in slope intercept form that they will need to program their spacecraft. You must pick at least one city in each of the four quadrants and you must tell the aliens why you think they should visit those particular cities. The reasons must be historical (for example, do not send the aliens to Las Vegas, Nevada to gamble and have a good time). The reasons should be written in complete sentences with correct spelling and grammar. The lines must be graphed on their map starting in Salina, Kansas and drawn in the order that you recommend the aliens travel. The tour does not have to return to Salina, unless you think the aliens should visit it for some historical reason. Each tour segment should start and end exactly where an x and y line cross to avoid having to estimate coordinates. You will be graded on the following:

Project Grading Scale:

6 cities with correct equations	10 points each	60
6 cities with acceptable reasons for visiting	3 points each	18
4 quadrants used	2 points each	8
map and chart attached and correct	7 points each	14
	Total	100

You will receive a 5-point bonus if you turn it in before the due date. It is due on March 10, 2006.

THIS IS A TEST GRADE

Name:_____

Grade

6 cities with correct equations/domain/range	10 points each	
6 cities with acceptable reasons for visiting	3 points each	
4 quadrants used	2 points each	
map and chart attached and correct	7 points each	_____
	Total	

FROM	TO	SLOPE INTERCEPT EQUATION $y=mx+b$	Reason for Visiting
Salina, Kansas			