Geometry: Distance/Midpoint Mini-Project Name;_____

Directions:

You are planning a trip across the US in your hovercraft, you have to travel at least 3000 miles and go through at least 10 states.

1. Find the total distance between the Start and Finish that you will travel.
2. Split your trip up into 5 days, find the distance you will travel each day.
3. You MUST make a pit stop every day for gas and food, you have to stop exactly half-way every day, find a city or landmark as close as possible.
4. Use the table to document cities latitude and longitude coordinates as well as to show all distance and halfway point calculations.
5. Use http://www.gps-coordinates.net/ to get latitude and longitude coordinates and document your trip excluding halfway stops on the map below. Label cities, landmarks, and google map actual distances (right-click on location and select measure distance) on your map.

Start City (+Coordinates)	End City (+Coordinates)	Half-Way Stop (City+Formula+Coordinates)	Distance Formula (Formula + Calculated Distance in degrees)	Distance Travelled (in miles)
			Total Distance Travelled	

Each degree of latitude is **approximately 69 miles** (**111 kilometers**) apart. The range varies (due to the earth's slightly ellipsoid shape) from **68.703 miles** (**110.567 km**) at the equator to 69.407 (**111.699 km**) at the poles. This is convenient because each minute (1/60th of a degree) is approximately one [nautical] mile. Apr 12, 2015