

Integrated Math III: Travel and Trig

This will be an individual project that will require you to look up and learn how to do some new trig and a little research. For this project, you will need to pick three cities in the contiguous United States that you would like to visit. From those three cities, you will create and solve a triangle (give data for lengths of all sides and the degree measure of all angles). Refer to the following for more guidelines:

- You must have a map of the U.S. and plot all three of your chosen cities and draw the triangle that connects them (see back for map).
- Your cities must all be in the “lower 48” AND be in different states.
- Use www.travelmath.com/flights to find straight line “flight path” distances between your cities.
- Since you will know the “lengths” of the sides of your triangle you will need to solve for all three angles. This is not something we have done in class. You will need to look up how to do this. It isn’t especially hard. I want to see your work.
- Also, you will need to find the area of your triangle. You can also use the lengths of the sides to do so (although there are many ways). There is a formula for this named after a famous mathematician (no, not Pythagoras).
- For each of your three cities you need to:
 1. Explain why you chose this city (one or two sentences).
 2. Find 3 activities (museums, parks, shows, sporting events, shopping, unique restaurant, etc.).

This is due at the end of class on Wednesday, May 18.

NAME: _____

