

## **Source Notes:**

This lab was modeled after common vector mapping activities.

The name was modeled after Carmen Sandiego

[http://en.wikipedia.org/wiki/Carmen\\_Sandiego](http://en.wikipedia.org/wiki/Carmen_Sandiego)

Original Lab -

Jim Haine - Wissahickon High School, Ambler PA.

1997(?)

Modified 2010

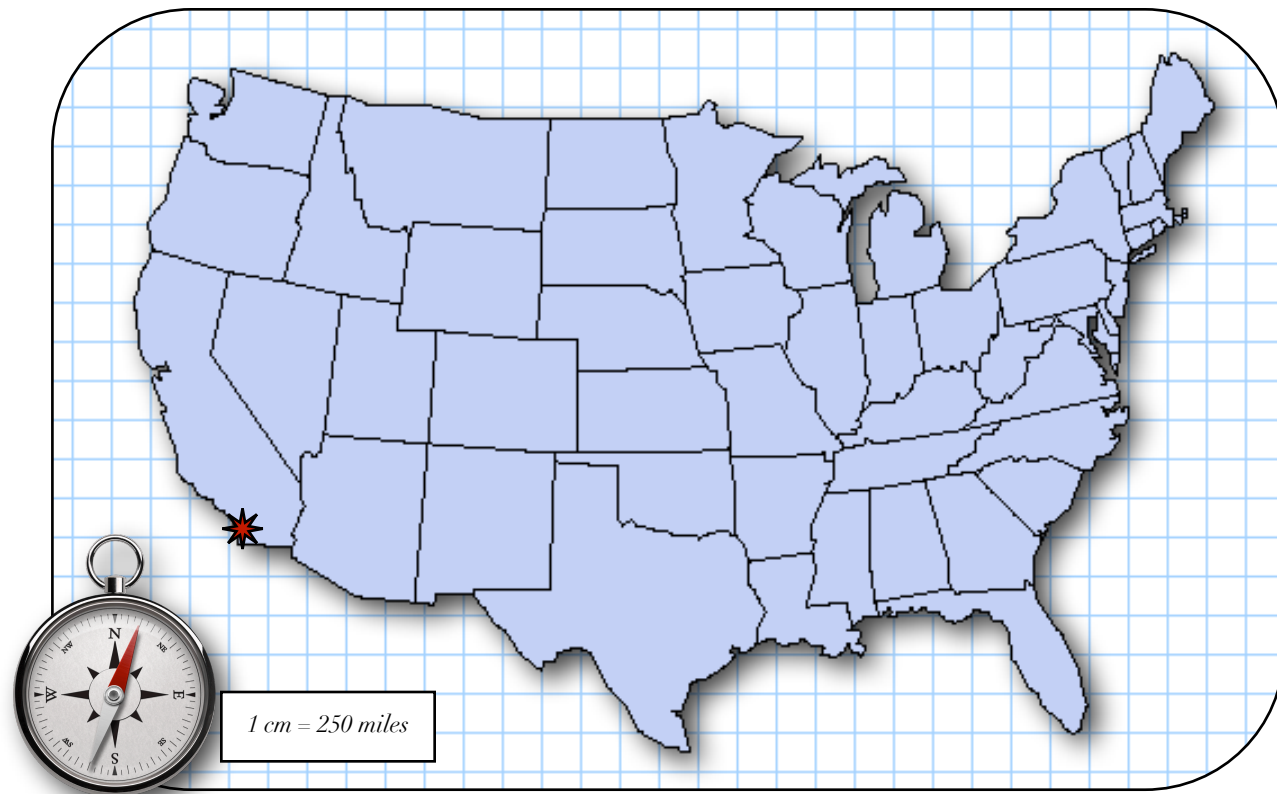
## **Teacher Notes:**

## **Modifications:**

## Why in the world is my car in San Diego?

Name \_\_\_\_\_

During the last football season, I had the chance to see some of my favorite teams on a tour of the country. I travelled by plane 7 times to games in 7 cities. I only wish I had a flight back to my car. Start at the star in San Diego, and follow the directions for each flight. Name each city. Answer the last three questions about the trip.



### 7 Flights

- 1) I started off flying 1380 miles at  $93^\circ$ , had a Starbucks coffee at the original location, and saw a game in \_\_\_\_\_.
- 2) A flight of 1305 miles at  $318^\circ$  allowed for a Broncos - Eagles game (and some local skiing) in \_\_\_\_\_.
- 3) I then flew 2230 miles at  $15^\circ$ , saw a tea party and then a game in \_\_\_\_\_.
- 4) The next flight of 1615 miles at  $253^\circ$  was for a warm weather game on the bay in \_\_\_\_\_.
- 5) Another flight, 1380 miles at  $115^\circ$ , for some deep dish pizza and Soldier field tickets in \_\_\_\_\_.
- 6) Flying 1070 miles at  $240^\circ$  had me seeing stars in \_\_\_\_\_.
- 7) One last flight of 1080 miles at  $165^\circ$  for a Cardinals - Eagles game in \_\_\_\_\_.

### Conclusion Questions

1. How can I get back to my car? This is called the equilibrant. **E=** \_\_\_\_\_.
2. What was the total distance that I travelled? **d=** \_\_\_\_\_.
3. What is the result of my trip? Or, how could one travel directly from the start to the finish? This is called the resultant. **R=** \_\_\_\_\_.