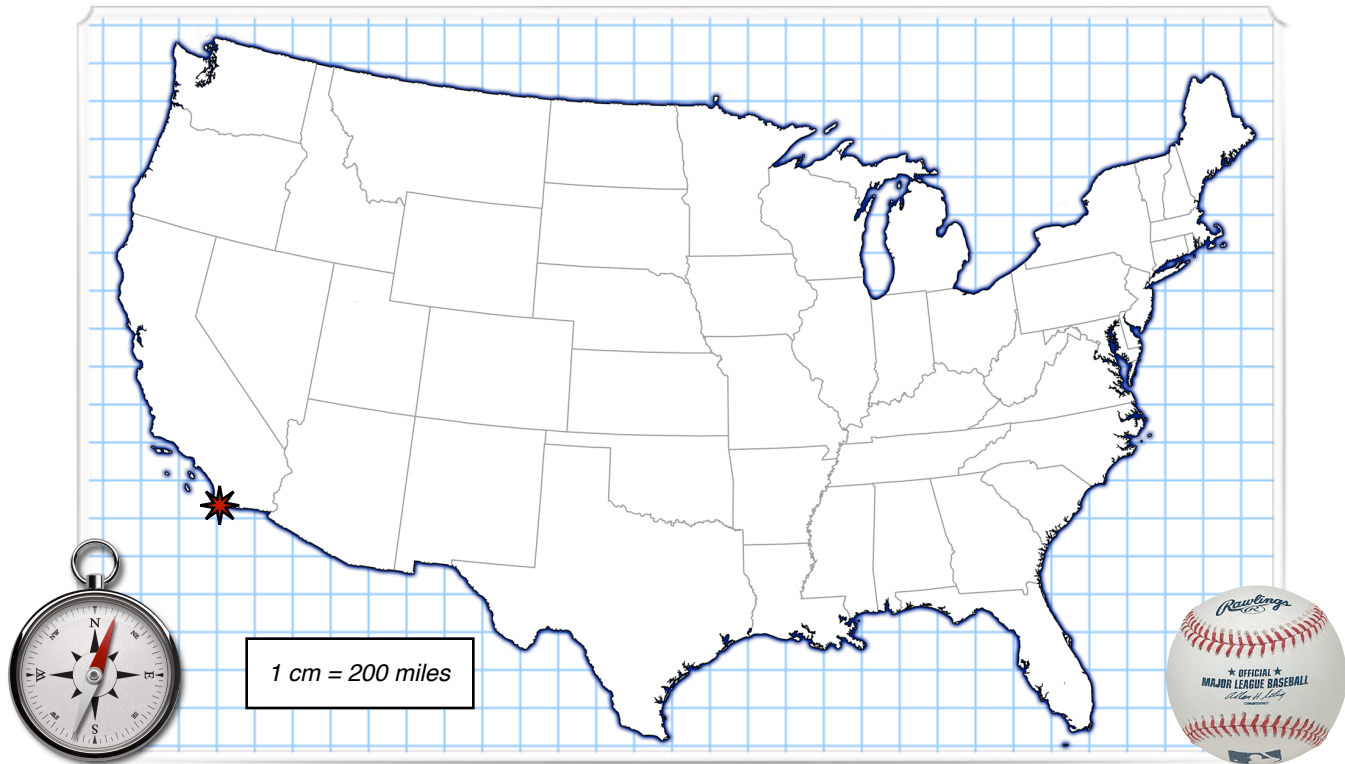


Why in the world is my car in San Diego?

Name _____

During this past year, I had the chance to go on a tour of the country. I travelled by plane 7 times to see 8 cities and 8 ball games. I only wish I had a flight back to my car. Start at the star where the Padres play, and follow the directions for each flight. Name each major city/airport. Answer the last three questions about the trip.



- 1) I started off flying 1140 miles at 92° , had a Starbucks coffee at the original location, and saw a Mariners game in _____.
- 2) A flight of 1094 miles at 318° took me to a Rockies game and a nearby concert at Red Rocks in _____.
- 3) I then flew 1850 miles at 11° , saw a tea party and then a game at Fenway in _____.
- 4) After a flight of 1252 miles at 249° , I went to Busch Gardens and a Rays game by the bay in _____.
- 5) Another flight went 908 miles at 127° , for a game at Busch Stadium and a tour of the Gateway Arch in _____.
- 6) Then I flew 610 miles at 230° to boo some Cowboys and catch a nearby Rangers game in _____.
- 7) One last flight of 900 miles at 167° for a Diamondbacks game in _____.

Conclusion Questions

1.How can I get back to my car? This is called the equilibrant. Measure the line that would take you, in one flight, from your last city to the place you started. Include direction and the distance in miles (not centimeters).

E = _____ , at _____ .

2.What was the total distance that I travelled? This is the scalar total of the 7 flights. Think about the frequent flyer miles you would have after a trip such as this.

d= _____.

3.What is the resultant for my trip? This is the single line that would take you from the first city to the last. If you think about your answer from question 1, this vector has something in common. This also requires a direction and a magnitude of distance.

R = _____ , at _____ .