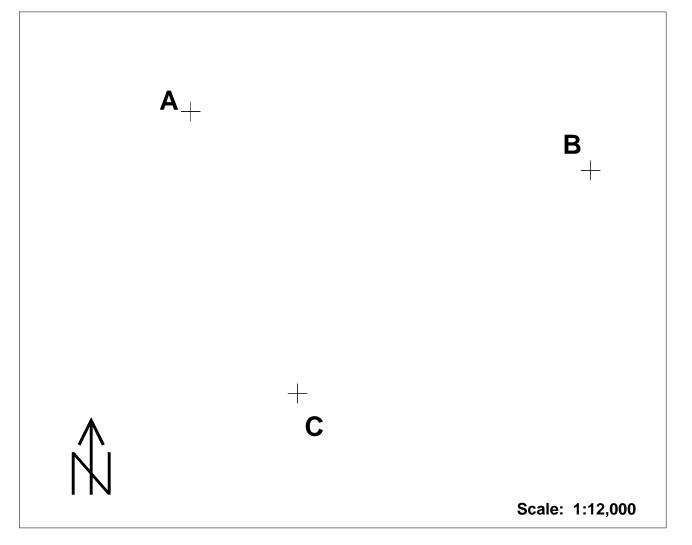
Task1: Using the map below, fill in the data table with azimuth and distance measurements between point A, B, and C. Note the north arrow and scale of the map. Use an engineers scale and protractor to make your measurements. The UTM coordinates of the southwestern corner of the map are: Easting = 481,000 m E. Northing = 4,956,000 m N.

From	То	Azimuth (decimal degrees)	Distance (km)	UTM Coordinates	
С	В			Easting (m)	Northing (m)
В	Α			Pt A	
Α	С			Pt B	
С	Α			Pt C	
В	С				

Task 2: Using and engineer's scale and two drawing triangles, measure, location, and draw "point D", exactly 545 m south of point A. Mark on your map and show your measurements.



Task 3: Locate points A, B, and C on the Monmouth 7.5-minute Quadrangle map available in the room. Do the occur on the quad? or another quad? What geographic locations are they closest to?

ES341 In-Class Exercise	- Conversion of	f Longitude and Latitu	ıde Name_						
Convert the Following Locations in Lat-Lon to Decimal Degrees (show all your math work) (given conversions: 1 deg = 60 min; 1 min = 60 sec; 1 deg = 3600 sec)									
Seattle Honolulu New York	Lat 47°36'40" N 21°18'22" N 40°30'43" N	Dec. Deg	Long 122°20′ 57″ W 157°50′10″ W 73°58′32″ W	Dec. Deg.					
Convert the following lo	ocations in Decir	nal Degrees to degree	s-minutes-seconds	i					
Lat	Long		Approx	imate Location?					
25.7532° N 53.2356° N 60.487° N	80.237 9.0034 5.3357	° W							