

Q1/ A six sided traverse have the following station coordinates: A (559.319 N, 207.453 E), B (738.562 N, 666.737 E), C (541.472 N, 688.350 E), D (379.861 N, 839.008 E), E (296.009 N, 604.048 E), F (218.330 N, 323.936 E). Compute the distance and bearing of each side.

Q2/ A five-sided closed field traverse have the following distances in meters: AB =

Station/Side	Distances (m)	Adjusted Angles
A		101° 03' 19"
AB	51.766	
B		101° 41' 49"
BC	26.947	
C		102° 22' 03"
CD	37.070	
D		115° 57' 20"
DA	35.292	
E		118° 55' 29"
EA	19.192	

The bearing of AB is N 75° 05' 30" is, BC is in the SE quadrant.

Compute;

- a) the azimuths
- b) Latitude and departure
- c) Linear error of closure and accuracy ratio.