

Prismatic Compass Assignment

1. The following are the bearings of the lines of a closed traverse ABCD. Calculate the included angles of the Traverse. What is the formula for calculating the sum of included angles in a traverse

Line	Fore bearing
AB	N 55° 15' E
BC	S 46° 45' E
CD	S 11° 0' W
DA	N 60° 30' W

2. Make a closed traverse survey by Prismatic Compass along the given four sided figure ABCD. Plot the traverse with corrected magnetic bearing and adjust the closing error graphically by Bowditch's method.
3. From the given diagram, calculate an area of the corrected closed traverse area AB'C'D'A.

