

Group Example Problem 6

A four-sided closed field traverse has the following distances in feet: $AB = 508.10$, $BC = 500.93$, $CD = 635.94$, and $DA = 377.57$. The interior angles are as follows: $A = 86^\circ 34'$, $B = 106^\circ 28'$, $C = 64^\circ 06'$, and $D = 102^\circ 52'$. The bearing of AB is $S 60^\circ 44' E$. Determine the bearings of each side and then use your traverse spreadsheet to compute the corrected and balanced latitudes and departures for the traverse. Show all work for determining the bearing of each side