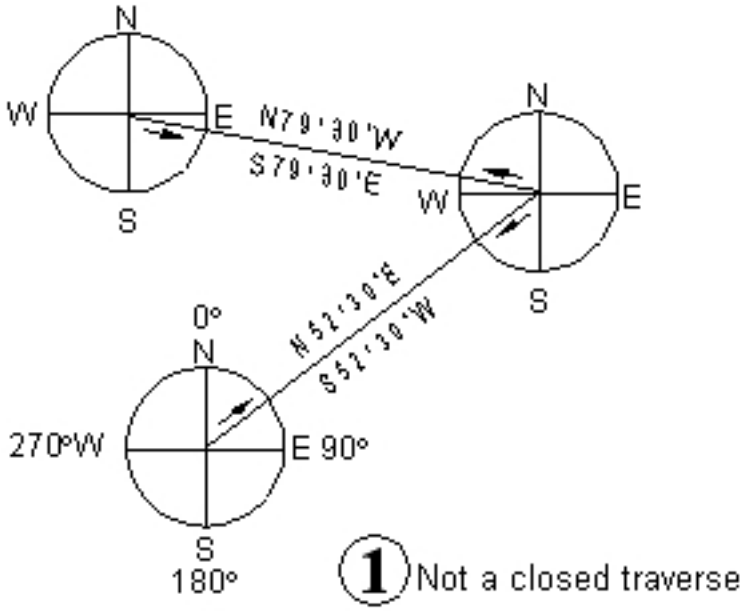
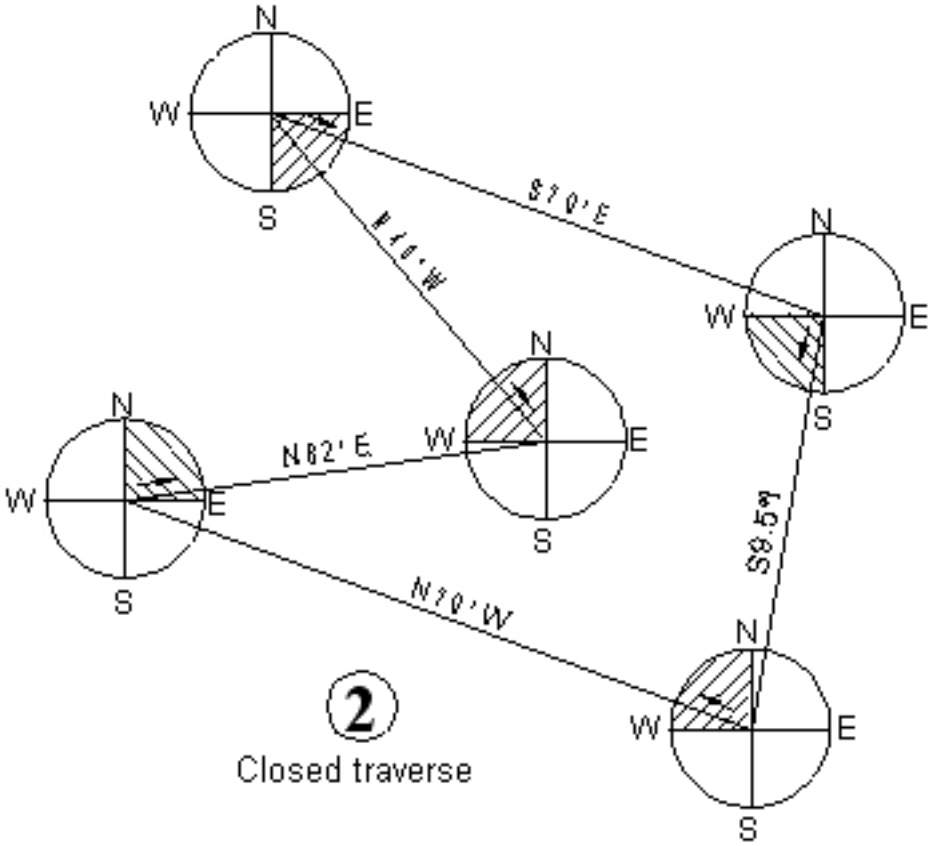
Closed Traverse

A closed traverse is a series of connected lines whose lengths and bearings are measured off these lines (or sides), which enclose an area. A closed traverse can be used to show the shape of the perimeter of a fire or burn area. If you were to pace continuously along the sides of a closed traverse, the finishing point would be the same as the starting location.

Note in the following sketch how the traverse is followed clockwise. If the direction was followed counterclockwise at any point, the bearing letters would change to their opposites but the numbers would not, as shown in the first sketch (1) below. The second sketch (2) is a closed traverse. Here, the series of lines completes a distance area, and the starting and ending points are the same.



1 Not a closed traverse



2
Closed traverse

[illegible]

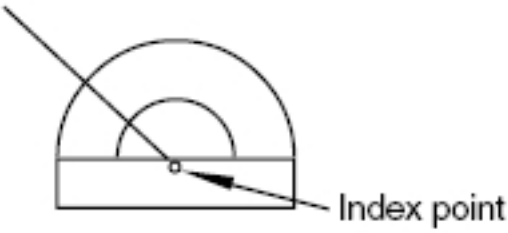
27 paces	chains	66 feet	= 137 feet
	13 paces	chain	

[illegible] as rounded.

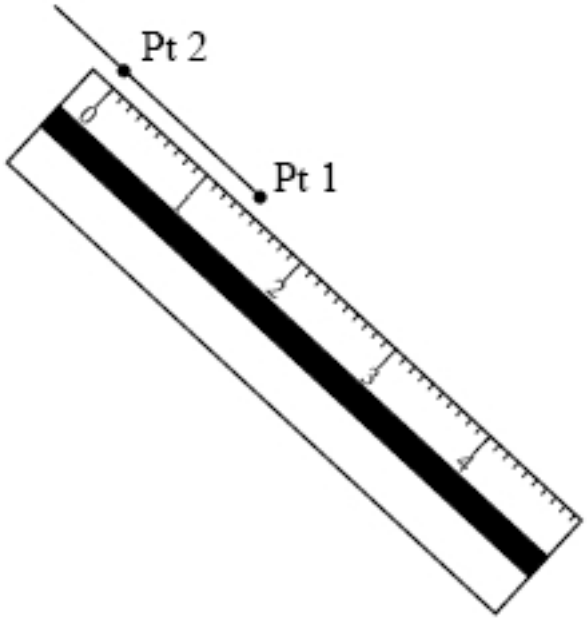
Step [illegible] following the guidelines in Section 6.5.

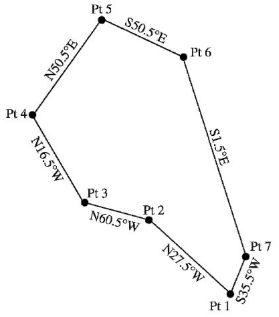
Closed Traverse					
	Bearing	Mag.º	Trueº	Paces	Distance (ft)
Point 1	N 42º W	318º	332.5º	27	137
Point 2	N 75º W	285º	299.5º	16.5	83.8
Point 3	N 31º W	329º	343.5º	24.5	124.4
Point 4	N 36º E	36º	50.5º	29.5	149.8
Point 5	S 65º E	115º	129.5º	22	111.7
Point 6	S 13º E	167º	181.5º	52.5	266.5
Point 7	S 21º W	201º	215.5º	10.25	52

and on a north-south axis.



Step 5d. Draw a line from point 1 up to the dot that is 13-7/10 marks (each inch has 10 marks).




Pt 5
S50.5°E
Pt 6
N50.5°E
Pt 4
S1.5°E
N16.5°W
Pt 3
Pt 2
N60.5°W
Pt 7
N27.5°W
S35.5°W
Pt 1