GREAT-CIRCLE DISTANCE & BEARING

	Degrees
Lat station 1	43
Lon station 1	79
Lat station 2	53
Lon station 2	5

Distance

nm	3,233
km	5,988
sm	3,721

By Sander Schimmelpenninck, Oakville ON, Canada
Nested @IFs by Allan Harris, Lotus Canada
Source: ARRL Antenna Handbook, cited by KE5WJ

Cos D	0.589390850219884
A	0.757928620225782
B	0.925024503556995
L	1.47824539507109
D	53.8862070071411
Tan X	0.0696426073391908
X	0.0695303428194077
Cot C	0.904120524088233
Tan C	1.10604722861308
C	0.835709351075323
Q	47.8826187162328

Defaults for Station 1

Lat
Lon

Alt-d: Station 1 defaults from D39

Minutes	Seconds	If E or S: 1
25	34	
41	50	
		1

Initial bearing

degrees 48

Lat of Station 1 in radians
Lat of Station 2 in radians
Lon of Station 1 - Lon of Station 2, radians
Distance in degrees of an arc

Intermediate angle in radians

Uncorrected quadrant bearing angle, radians
Uncorrected quadrant bearing angle, degrees

Degrees	Minutes	Seconds
43	25	34
79	41	50

\d /cdefaults~b5~

Radians	Adjusted
0.757928620225782	0.757928620225782
1.39097893247137	1.39097893247137
0.925024503556995	0.925024503556995
0.0872664625997165	-0.0872664625997165