

PROJECT					TRIANGLE COMPUTATION (FOR CALCULATING MACHINE) For use of this form, see FM 3-34.331; the proponent agency is TRADOC.					
LOCATION				ORGANIZATION					DATE (YYYYMMDD)	
SYMBOL	STATION	OBSERVED ANGLE	CORR'N	SPHER'L ANGLE	SPHER'L EXCESS	PLANE ANGLE	SINE	DISTANCE		SIDE
	1								2-3	
	2								1-3	
	3								1-2	
								D=Ratio, side/sine		
	1								2-3	
	2								1-3	
	3								1-2	
								D=Ratio, side/sine		
	1								2-3	
	2								1-3	
	3								1-2	
								D=Ratio, side/sine		
	1								2-3	
	2								1-3	
	3								1-2	
								D=Ratio, side/sine		
	1								2-3	
	2								1-3	
	3								1-2	
								D=Ratio, side/sine		
Case I $a/\sin A = b/\sin B = c/\sin C$ Given : 3 angles, 1 side				Case III $\tan A = a \sin B / c - a \cos B$ Given : 2 sides and included angle				COMPUTED BY		DATE (YYYYMMDD)
Case II $\sin B = b \sin A / a$ Given : 2 sides and an angle opposite				Case IV $\cos A = [2s(s-a)/bc] - 1$ $s = 1/2(a+b+c)$ Given : 3 sides				CHECKED BY		DATE (YYYYMMDD)