Reit sharma	
106030	
F2.	

EXPERIMENT-10.

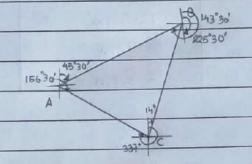
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MEASUREMENT OF BEARINGS USING PRISMATIC COMPASS.

Q/. The following are bearings taken on closed compars travouse compute the included angles and correct them for observation errors. Petermine the correct bearings of the Irmes.

Lime	fore Bearing	Beck Bearing
AB	45°30'	225° 30′
BC	193° 30'	140
<i>C</i> 0	224"	156°30'





Included angles:

= 156° 30' - 45° 30'

LB = BBB AB-FBB BC = 225°30' - 193°30'

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Line	1-		Included.	korrec	corrected		corrected		Rem
	FB	BB.	Amgle.		Imelangle	Nº11	BB	EB	
AB	45' 30'	225°30′	ZA = 111°	-	ZA=111°	180°	225°30'	45'98	frug
Be	193°30′	14°	ZB = 32°	-	LB = 32°	174°30'	13°30'	193°30′	local
CA	337°	156° 30'	1c= 34°	-	LC= 37°	336° 30'	156° 30′	33(°30'	

Z= 180°

M=no. of sticles.
Sum of smoluded Angles = (2m-4)×90° = 2×90°

= 180

FB & AB = 46°30' → correct

BB & AB = 225°30' → correct

FB & BC = 193°30' → correct

BB & BC = FB & BC - 180°

> 193°30' - 180°

= 13°30'

BB g CA = 156°30' - correct.

FB g CA = 156°30'+180°

336° 30'