



3rd Exercise

From \_\_\_\_\_ To \_\_\_\_\_ = \_\_\_\_\_ Min.

Take stadia readings to two staves C and D. Two full observations with different staff readings must be taken to both staves. Book on form below.

INSTRUMENT STN. & HT. OF INST.	STAFF	STADIA	HAIRS	CIRCLE READING		D = 100s
		MIDDLE	LOWER	VERTICAL	HORIZ.	
			UPPER			

Compute the reduced level of the right staff (D), if a R.L. for the left staff (C) is given as 35.00 m. All computations in table below.

INSTRUMENT STN. & HT. OF INST.	STAFF	$H = 100s$ $\times \cos^2 \theta$	$V = 100s$ $\times \frac{1}{2} \sin 2\theta$	$= V -$ MIDDLE HAIR	COLL. HEIGHT	R.L.

Delta C

Delta D

Mark

Delta R.L. D

Comps

4th Exercise From \_\_\_\_\_ To \_\_\_\_\_ = \_\_\_\_\_ Min.

For stations E, F, G are marked with ranging rods

- (1) Determine the intersection of  $\overline{EF}$  with the perpendicular of  $\overline{EF}$  through G
- (2) Measure the slope between E and F

V.A. E to F \_\_\_\_\_ Mean = \_\_\_\_\_

V.A. F to E \_\_\_\_\_ Index Error = \_\_\_\_\_

- (3) Measure the magnetic azimuth of the line  $\overline{EF}$ .

Azimuth E to F \_\_\_\_\_ Mean \_\_\_\_\_

Azimuth F to E \_\_\_\_\_

Delta x

Delta V.A.

Delta y

Delta Az

Mark

TOTAL MARK

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