

(E) From weet, turnding 270° Clockwell 90° -> North 180° -> Fax. 270° -> South Start: Horte 45° clockwise -> North-East. 90° anti clockenine from Nº -> land at More plet peloren 2 8-2 = 6 Km (4) cuest = 6 km D2 \6 +62 2 \J36 +36 2 \J72 ~ 8.49 k East 7km tuen weit 7km -> could our only let North 224King Min hand at 20 min 2 20 x60 2/200 (6) hr hand out 4:20 2 4 x 30 + (20/60) x 30 1 7120 +10 =130° Augle = 1130 - 1201 = 10 Min hand : 45 x6 = 2700 田 hy hand : 1x30 + (45/60) x30 = 2 30 + 22.5 2 52.50 Augle = 1270 - 58.5/ = 217.50 Smalley. Angle = 360 - 217.5 2 142.50 (8) 0= 30H - 1179 Let H = 3. Salue for M: B/w 3:00 1 3:31:44, angle is 90° at x 3:00 x 3:31:44

Tîme 2 H x 60 2 2 x 60 2 120 00 10191 min (9) 2:10:55 They Coursele Eury 360/5.5 \$ 65.45 Les (10) 1 14x -> 3600 g ss lines East -> west caucily -> Net cost 20 (21) Norker = 8km, South = 3km, Net North = 5km 02 Volts 2 5 km 135+ 90+225 24500 => 4500 62 ureel 360° = 90° Turnel 400 from North -> Cart (3) H25 C1: Augl 290 90 2/150 1119 1150 - 11 M 2 90 => 11 11 2 60 => M = 120 010.91 Cous: 150 - 1119 2 - 90 => 1119 2 840 => M = 480 = 480 = 4864 Note at approximately 5:10:55 of 5:43:38

(Eu) let find the ble x 4 x +1 hr M = (60 H ± 360) H26 M2(60-1860) 2) M2 720 265.45 7360 ? Pa = 0 2 0 min. The hand or opport 11 thus is 12 hours in & mender, mende brand lowers: (5) Minute augle 2 611 , Hours hand Covers & Hour angle = 1/2 x cul " re told! " is the hand : 18 uneuter Mean Angle blu hande i 18 × 16 = 1000 -> X2 216 2 19.64 min The Time 212:19:38