Day + Aplitude Direction + Clock

walk 5/1m north, 3km east. How far is from starting point.



$$AC = \int AB + BC$$
  
=  $\int 5^2 + 3^2$   
=  $\int 25 + 9$   
=  $\int 34$   
 $I = 5.8$ 

a) Person faces east & Luons 90° right . which direction he facing

3) You face north & burn 180° to your left, which direction do you face.

4) Ting walks 10 lon south, then 4km west. How fain stat

$$AC = AB + BC$$
  
=  $\int 100 + 42$   
=  $\int 100 + 46 = \int 10.8 \, \text{km}$ .

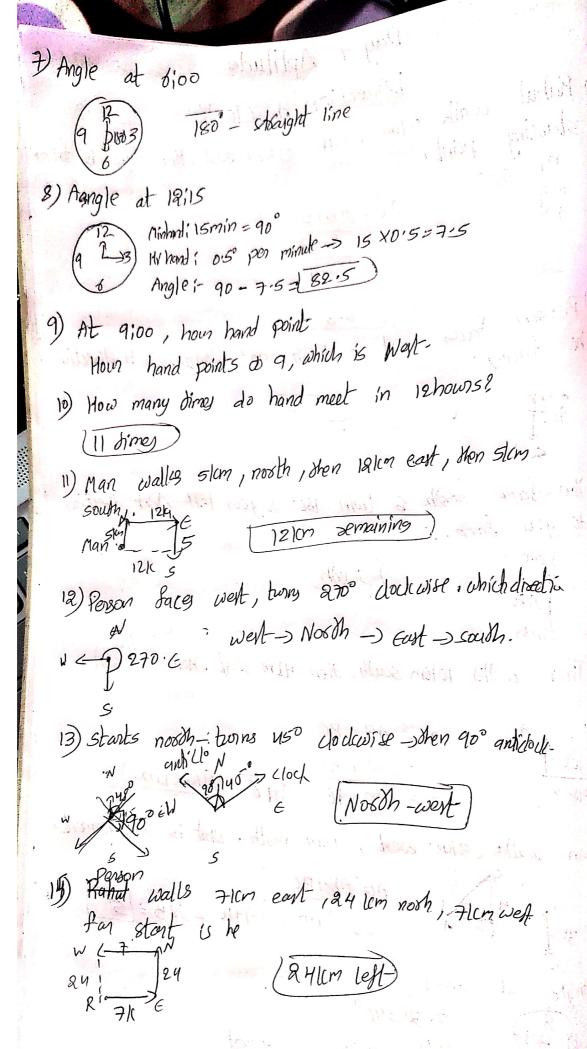
5) Man walls 31cm west, 41cm north. what is displacement.

$$\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{1}{3} + \frac{1}{4} = \frac{1}{3} = \frac{1}$$

at 3,00 %



3×30 =90° how is 30° apart



14) Rahul walls. & convolm, slan west, 21cm souch. 61cm Test AL = J82+62 AC = B6-136 = 572 = 8.51cm 16) Angle 4:80 Min = 20min = 120° HY = 4×30 + (20x0,5) =130° Diff = 130 -190 = 10° 17) Angle 1145 Min = 45min = 48×60 = 270 Hr = 1 x30 +45 x 005 = 59 5° Angle = 270-52'5 = 217.5 Smaller Angle = 360 - 217-5 = 148.50 B) what dire will hands of clade ab angle bla 3 & 40' dodc. They from 90° at 3;16 while when hands overlap bin 2 & 3 o'clock. They do  $\frac{1}{100} = \frac{2 \times 60}{11} = \frac{10 \times 10}{11} = \frac{$ 2110;55 20) You many birry miny & sec hand coincide in the -Angle = 300° in 60 min, & second hand move 360° in 60 &C 1200-10 : shop = 21 +51 / hotel x M ) = 11 They coincide 159 times

21) Man wally blue east, 8km north, Hen blue west, then

3km south is 60 1/2

5/ 6km Je

Slim to north.

28) Person starts lacing nooth, make twon 1350, 40° & 225° Hodewist . discition facing 180-135 = 45 135+90-225

> 135' - Southeart. 90' - south west 295 - North Carl

93) what sine bln 54 6 o' dock hands at right 90 = 30x 50 - 1/2 angle.

90 = 150 -5.57) 5,000

90 = 150 - 5.50 90 = -(150 - 5.50) 90 = -(150 - 5.50) 90 = -(150 + 5.50) 90 = -(150 + 5.50) 90 = -(150 + 5.50) 90 = -(150 + 5.50) 90 = -(150 + 5.50)N = 10.91

M = 240 15,5 (510,91,5;43,64) M=43.64

ay Tire when how hand is exactly opp as minute han m =180 to.5.

MIN = 60 180 +0.5 = 6 M M = 180/5-5 M=39.73)

25) Minuk hand 18 min ahead of homhand . Tin

n=(H × 60+n)/12+ 15 M = 475 + M(12 + 18) Angle = 6x - 0.5x M = 475 + M(12 + 18) = 5.52 M = 5.4 + 18 Angle =  $18M \times 6^{\circ} = 108^{\circ}$ M = 5x1 7-18 = 83

Z=108 =19.636)