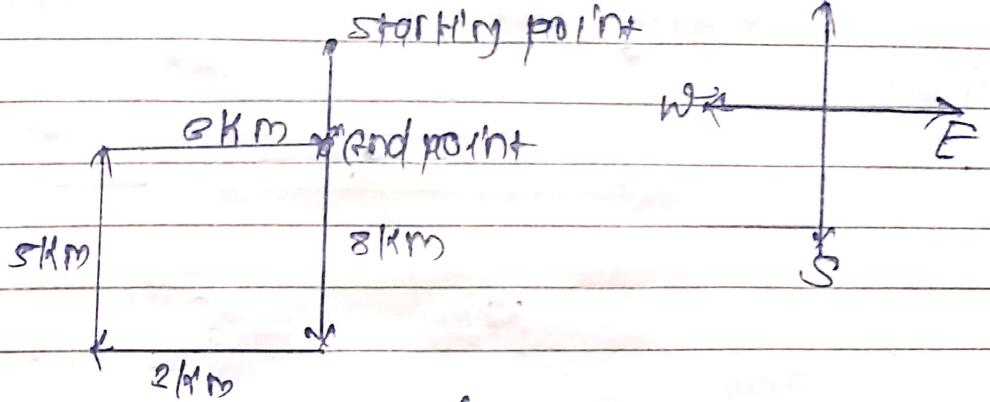


Chapter 11 PERCEPTION

Date: _____
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- Q1. Ashok went 8 km south and turned west and walked 3 km, again he turned north and walked 5 km. He took a final turn to east and walked 2 km. In which direction was Ashok from straight pt?

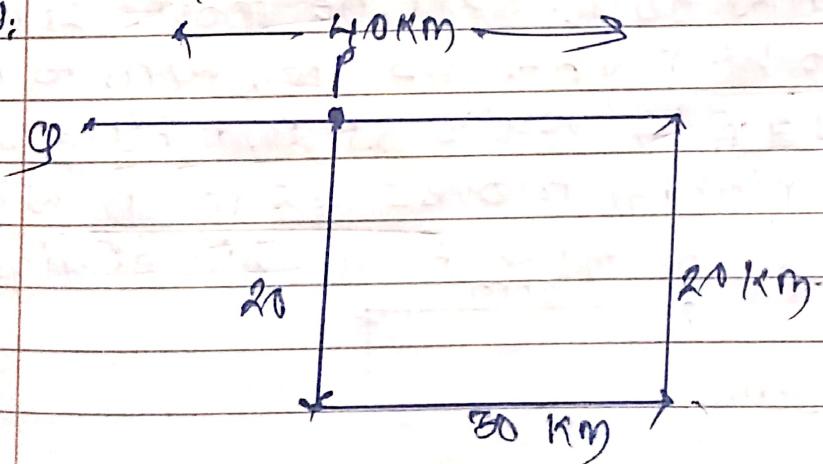
Ans:



d) south.

- Q2. Starting from a point P, Sachin walked 40 m toward south. He turned left and walked 20 m. He then turned left & walked 20 m. He again turned left and walked 40 m and reached a point Q. How far and in which direction is the P from the point Q?

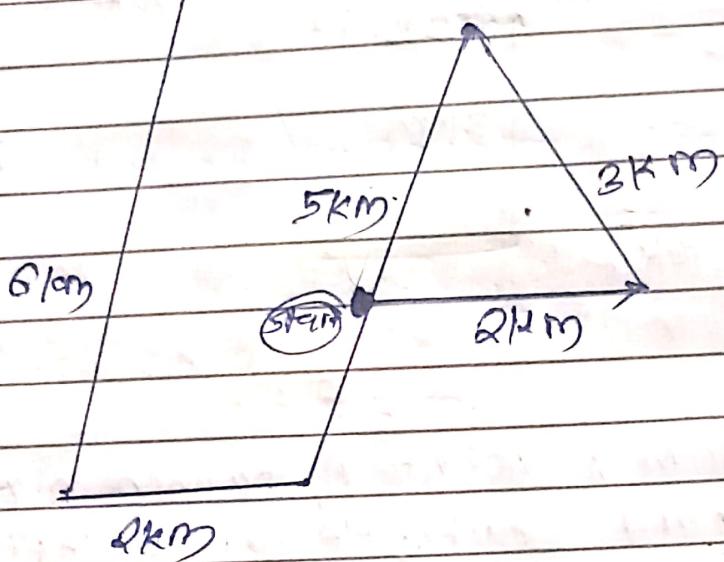
Ans:



c) 10 m east

Q2. Ray walked 8 km to east, then turned N-W & walked 3 km. Then he turned south & walked 5 km. Then again he turned west & walked 2 km. Finally he turned North & walked 8 km. In which direction is he from straight pt.?

Ans.

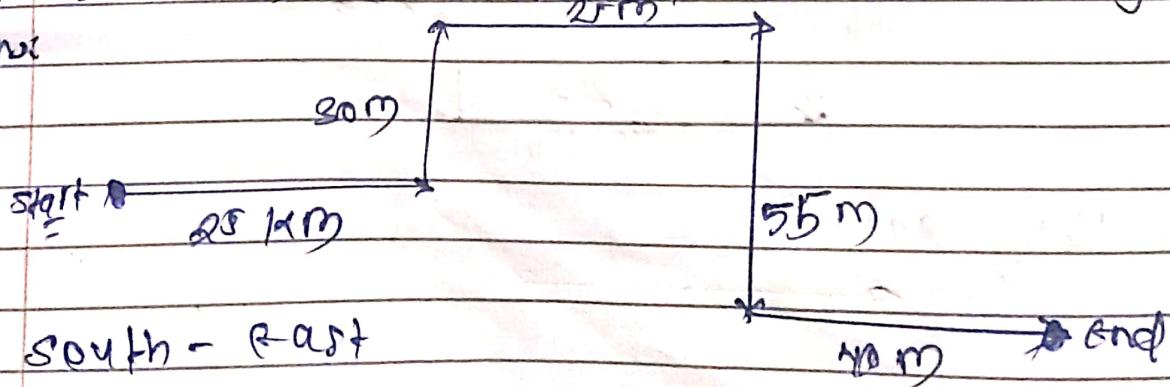


c) North west

Q3. Vinay faces towards the north turning to his right, he walks 25 m. He turns to his left & walks 30 m. Next, he moves 25 m east turning to his right. He then turns to his right again & walks 55 m. Finally, he turns to right & moves 40 m. In which

Ans: direction is he now from his straight pt?

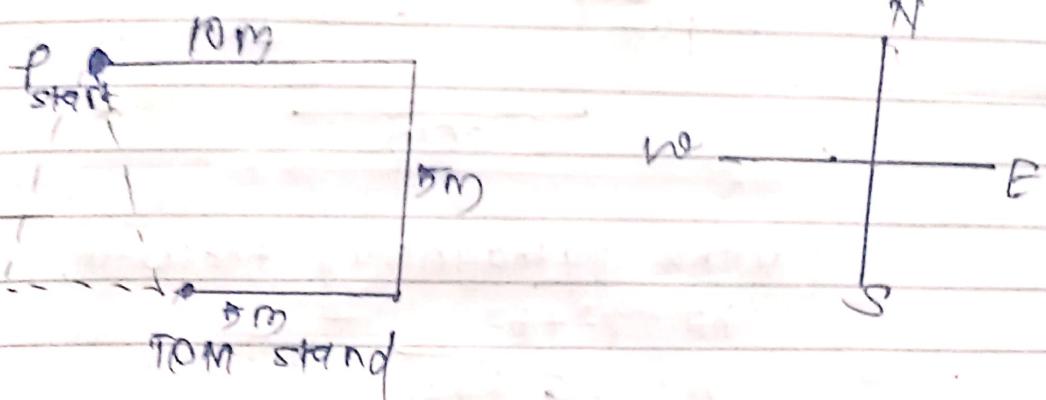
Ans:



d) south - east

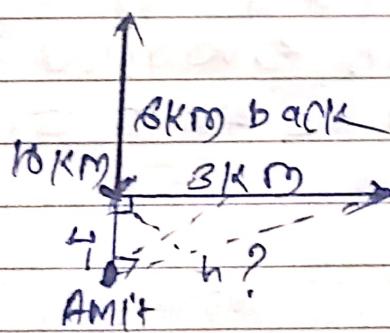
Q5. Tom walked 10 miles from pt. P towards east. He then took right turn & walked 5 miles & taking another turn he walked again for another 6 miles. In which direction is pt. P from where Tom is standing now?

Ans:



Q6. Amit walked 10 km toward North from there he turned back and walked 6 km toward south. Then he walked 8 km towards East. How far was he from st. pt?

→



By using p.T,
 $h^2 = p^2 + b^2$

$$h^2 = 3^2 + 4^2$$

$$h = \sqrt{9 + 16}$$

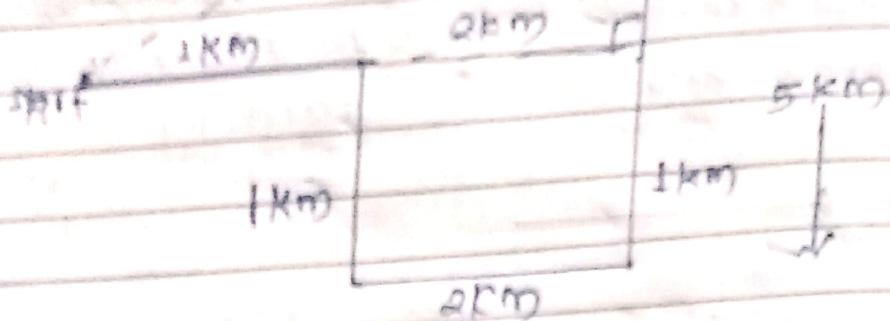
$$h = \sqrt{25}$$

$$h = 5$$

b) 5km

Q7. Seema walks 1 km to the east turn right & walks another 1 km & then turn left & walks 2 km & again turning to her left and travels 5 km. How far is seema from her standing pt?

(Ans)



By using pythagorus theorem,

$$h^2 = p^2 + b^2$$

$$h = \sqrt{(3)^2 + (4)^2}$$

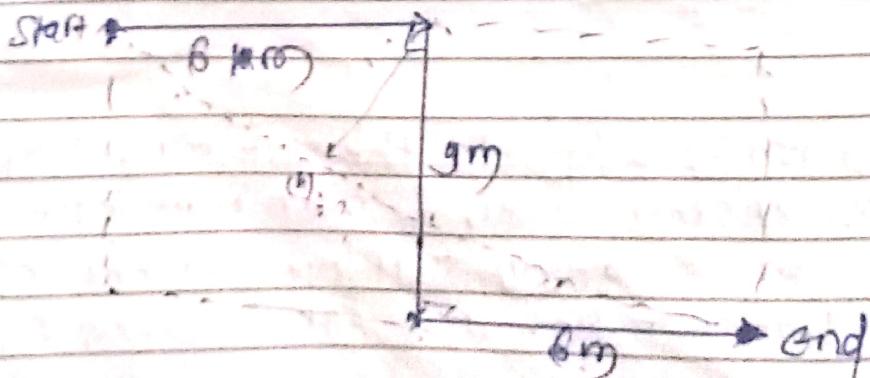
$$h = \sqrt{9 + 16}$$

$$h = 5 \text{ KM.}$$

b) 5 KM.

Q8. Shyam walked 8 meters towards east, then took a right turn & walked a distance of 9 m. He then took a left turn & walked a distance of 8 m. How far is he from start pt.?

(Ans)



Now

a) 15 meter.

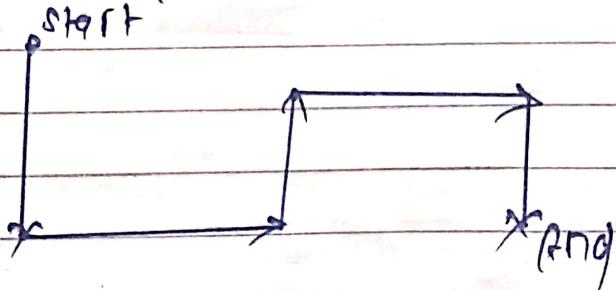
Q9:

Ans:

Ans:

Q10. Imagine that you are walking toward south. After some time you turn left. Then again you turn left. After then you turn right & once again turn to right. In which direction you are walking now?

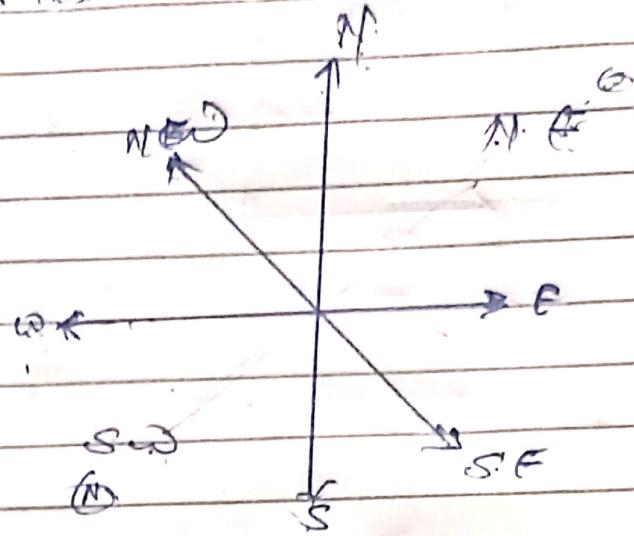
Ans:



e) south.

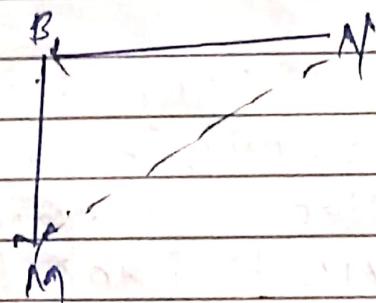
Q11. If northeast becomes west & south-east becomes north then what will west become.

AN:



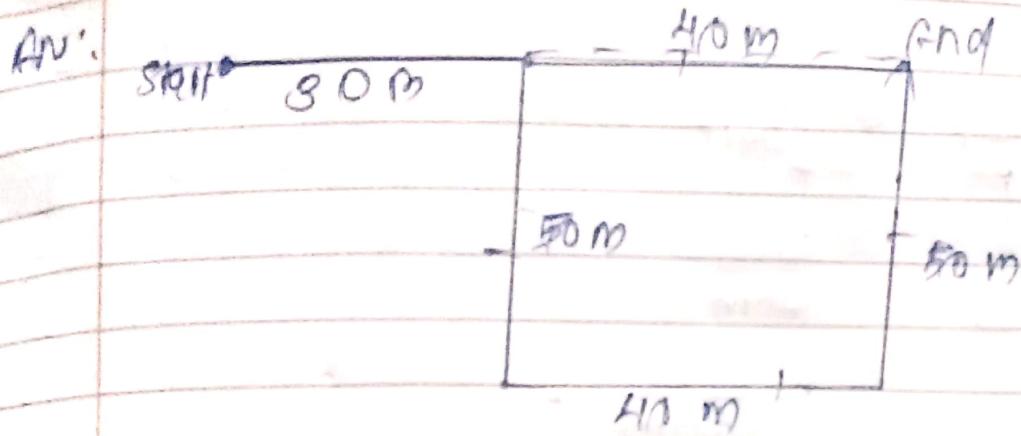
a) south east

Q12. If M is south of B & B is in west of A, then in which direction is A from M?



c) North-east.

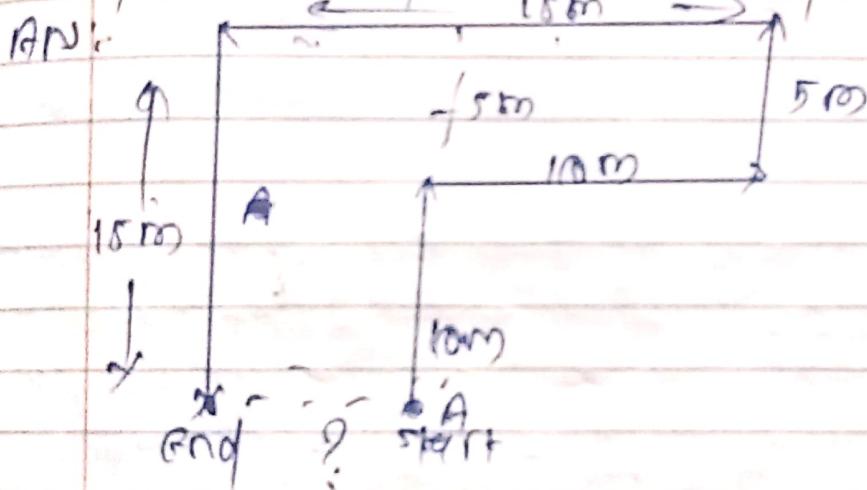
Q13:



Far from starting pt = $30 + 40 = 70\text{m}$.

b) 70 m.

- Q14. A walks 10 m North, then he turns right & walks 10 m. And then turning left each time, he walks 5 m, 15 m, & 15 m resp. Now how far is he from start pt?

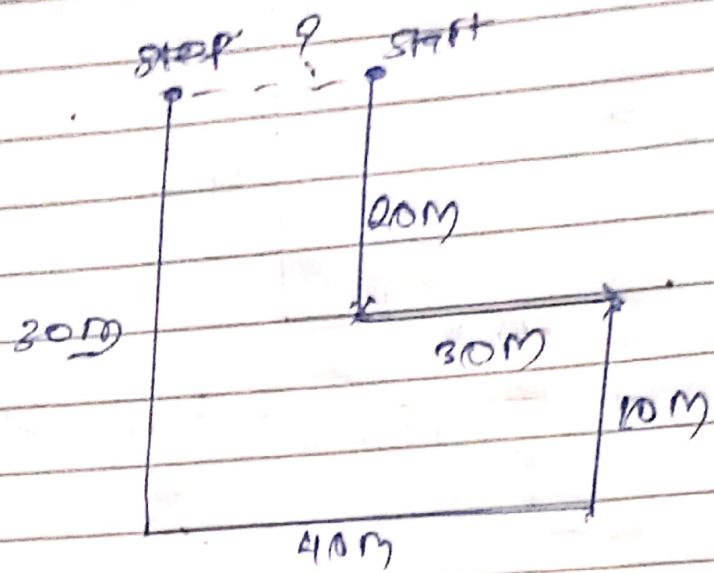


Soln, $15 - 10 = 5$

c) 5

Q15.

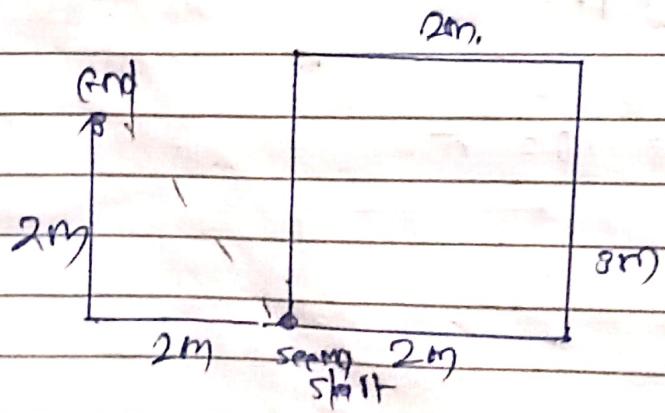
Ans: Step ? Start



b) west:

Q16

Ans:

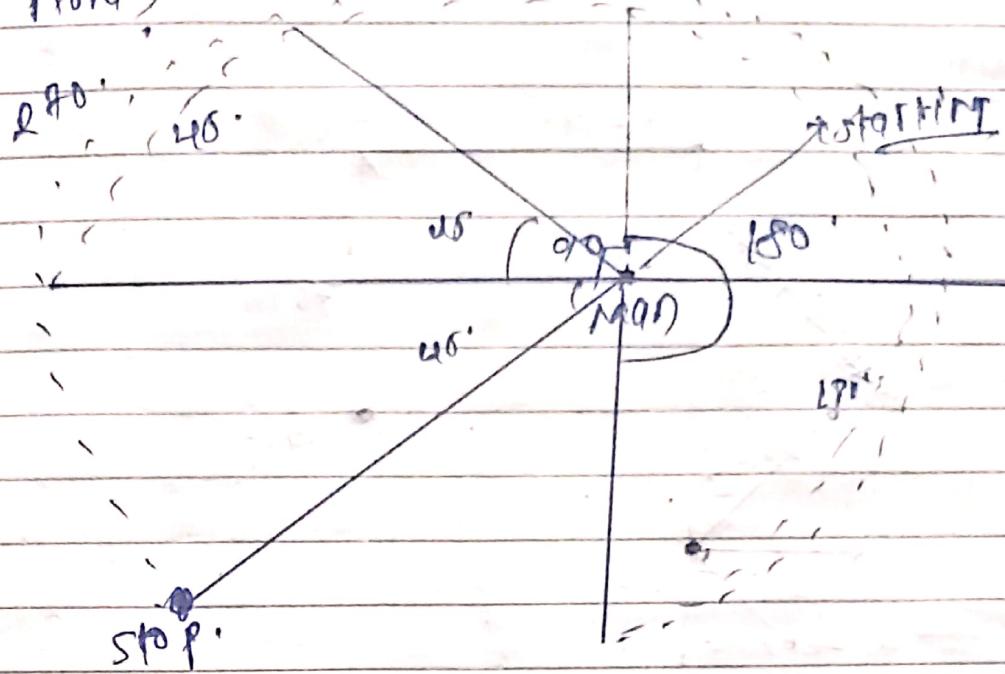


direction North - East

e) None of these.

Q17. A man is flying west. He turns left in the clockwise direction and then another 180° in same direction and then 270° in anti-clockwise direction. which direction is he facing now?

Ans:

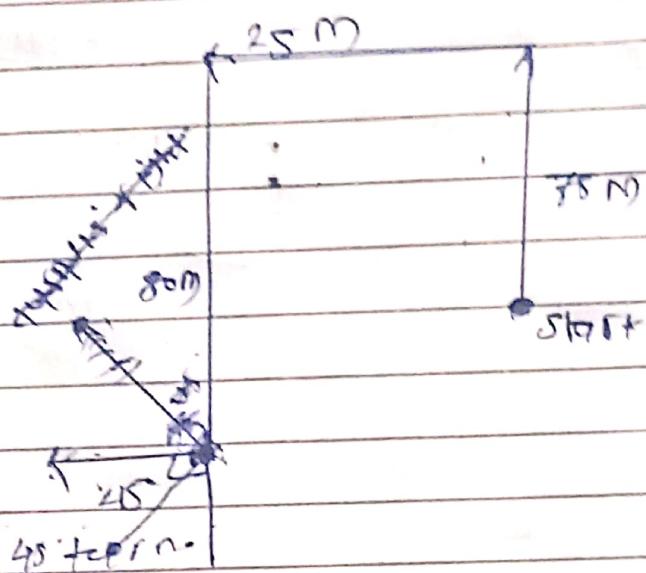


d) ~~North south-west.~~

Q18.

Q19.

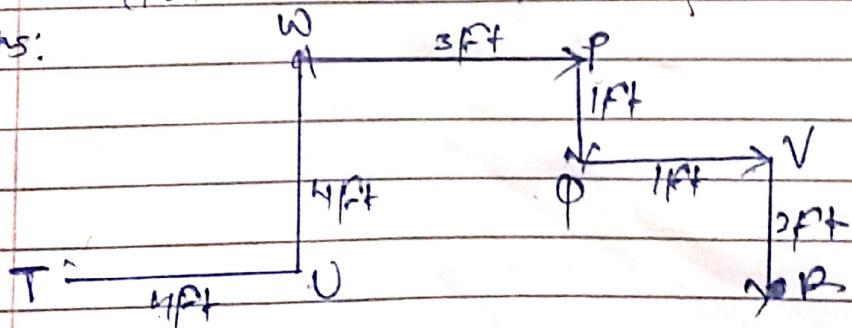
A.N:



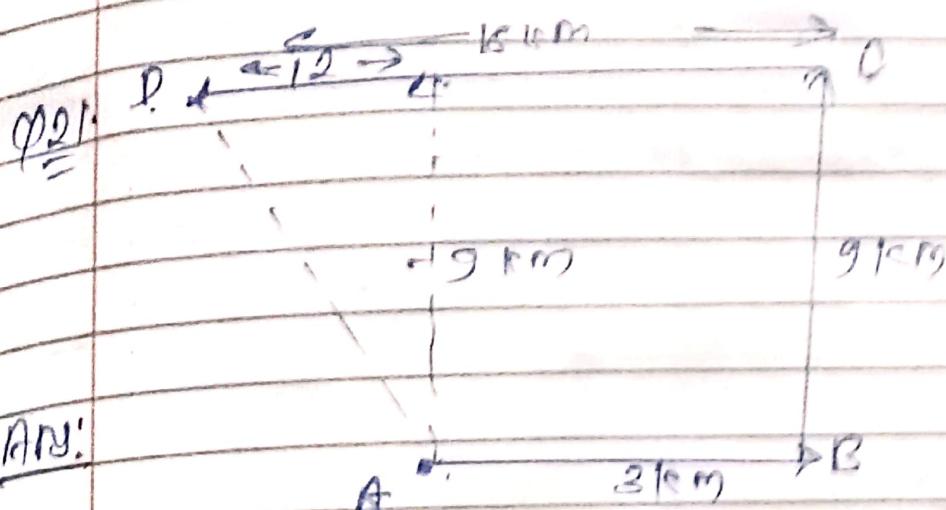
d) South-West

Q20. Nity starts from pt. T & walks straight to point U which is 4ft away. She turns left and goes 3ft & reaches to W which is 4ft away, turns go. right and goes 3ft to P, turn go. right, and walks Lft to Q. Again turn go. left & walks 1 ft to V. Finally turn go. right walks 2 ft to reach R. What is distance b/w Q & R?

Ans:



distance of top = $4\text{km} + 3\text{km} + 1\text{km} = 8\text{km}$



By PT

$$h^2 = p^2 + b^2$$

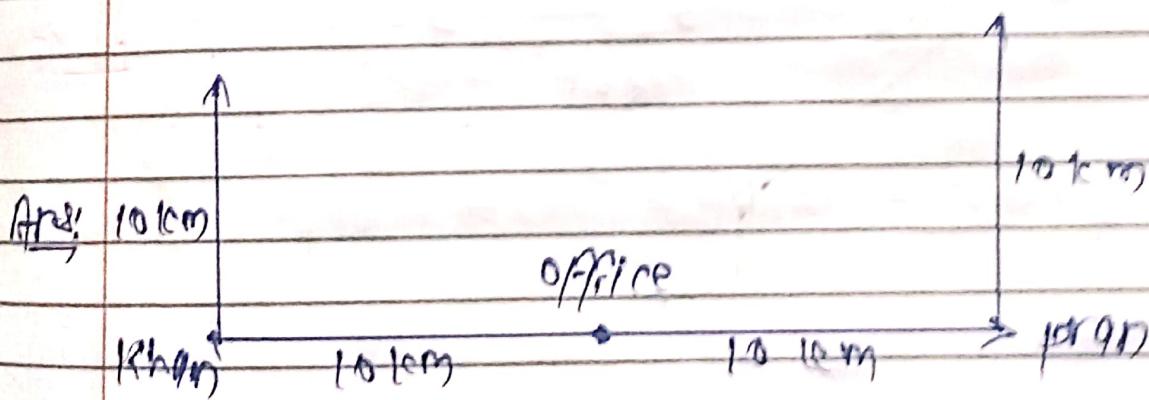
$$h = \sqrt{10^2 + 9^2}$$

$$h = \sqrt{1944}$$

$$h = \sqrt{225}$$

$$\therefore h = 25 \text{ km}$$

P22.



Ans: 10 km

$$\text{Total} = 10 + 10 = 20 \text{ km}$$

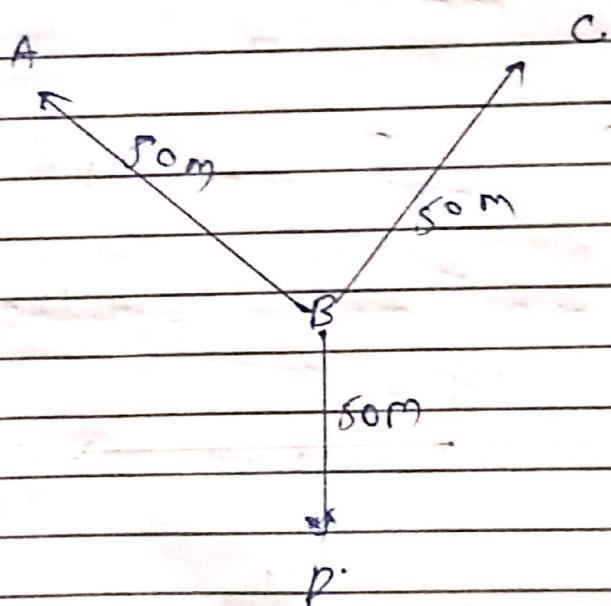
d) 20 km.

Q23.

Ans:

Q24

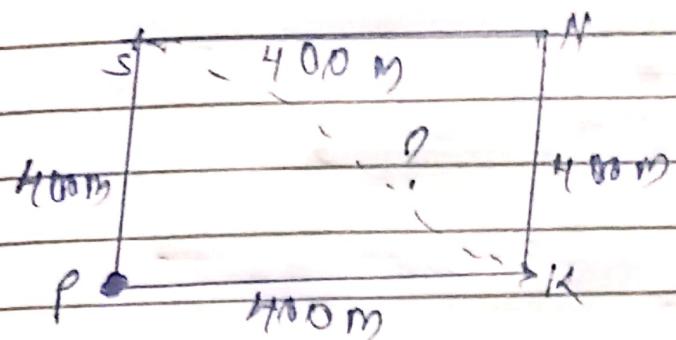
Ans.



(c) e.

Q25:

Ans:

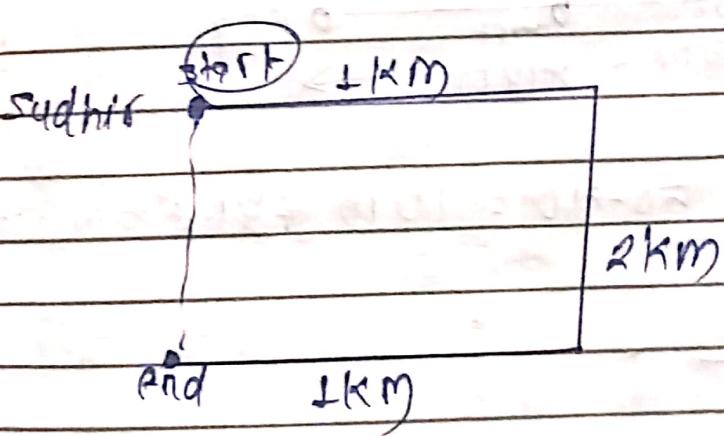


direction S to K = south east.

c) K

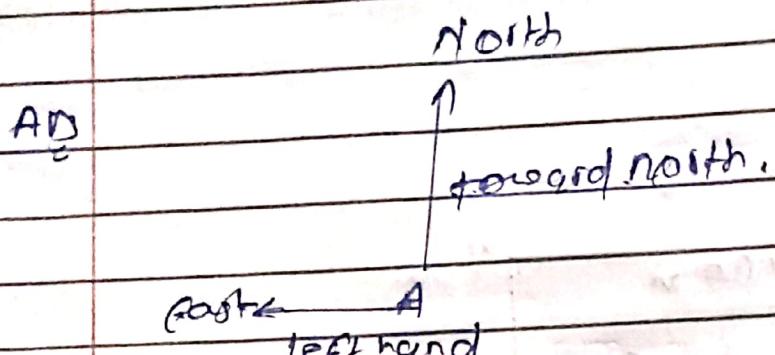
Q26:

Ans:



a) south

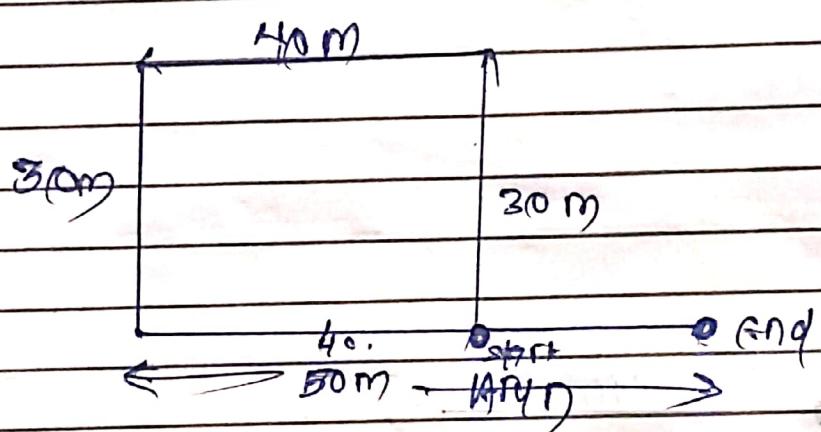
Q27



c) Fast

Q28.

Arun:

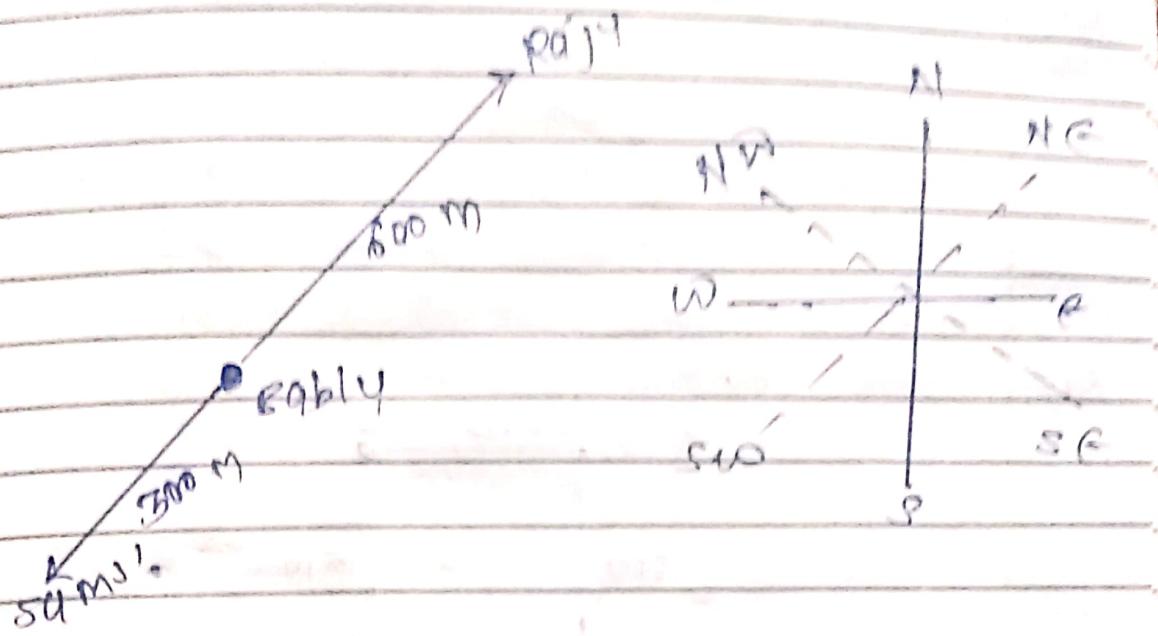


$$\therefore \text{Arun} = 50 - 40 = 10 \text{ m from starting}$$

d) 10 meters.

Q29.

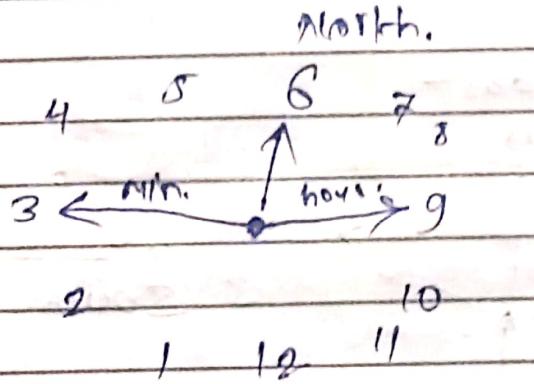
AN!



d) South-West.

P2

AN

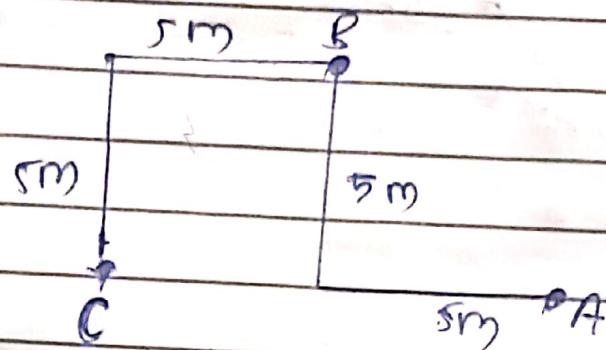


g: 15 min point to West

q) West

4931

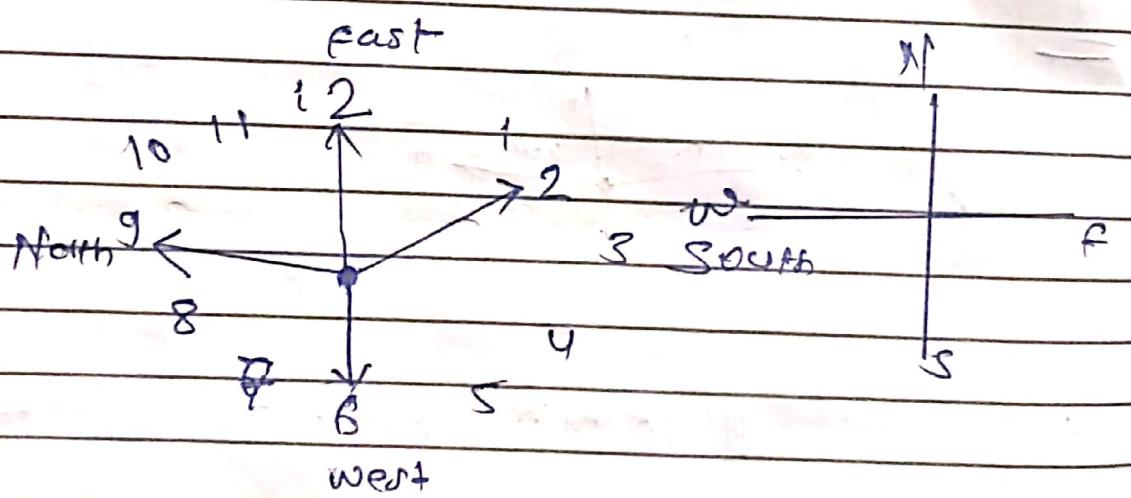
Any:



b) ~~two~~

Φ32

Ans:



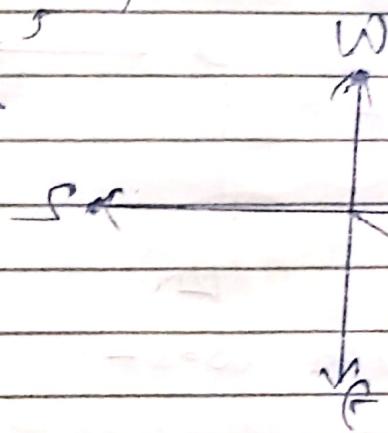
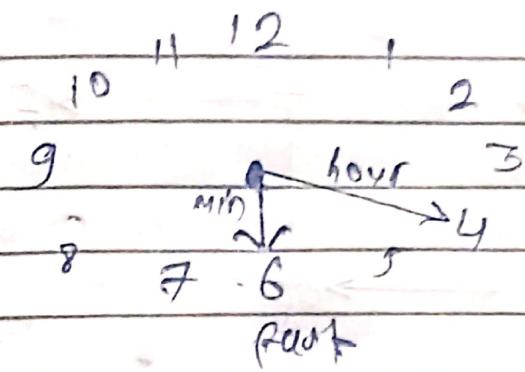
∴ 2:45 min

i. The hour hand of watch is on south east.

9) south-east.

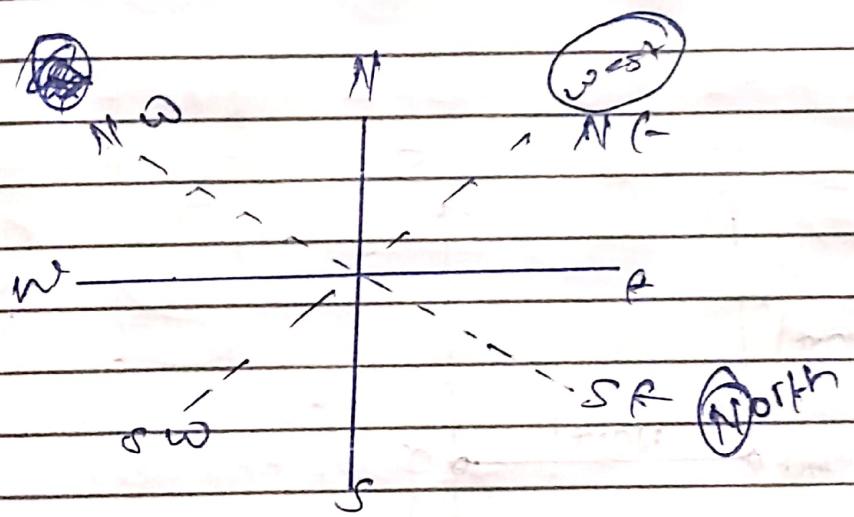
Q33

AN:



Q34.

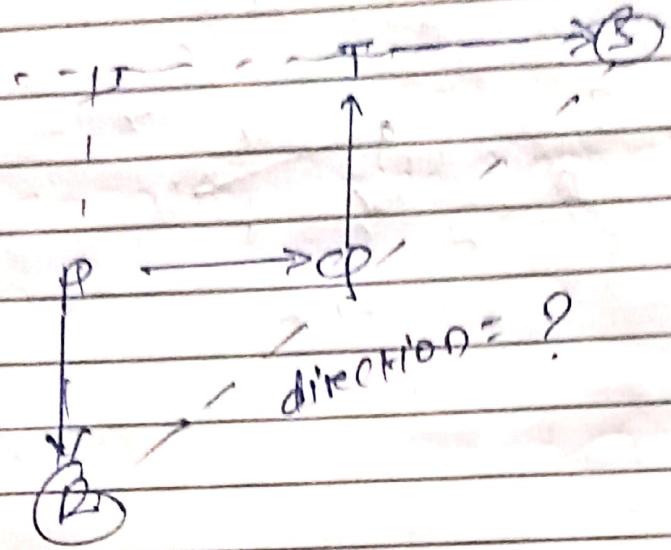
AN:



c) south-east

Q2

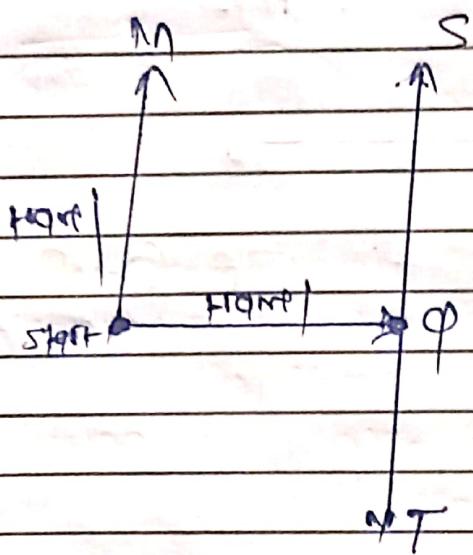
Ans:



c) south west.

Q3b

Ans



d) M & S travelled in same direction.

Q3c