FREE COURSE
FOR BBA BBM BMS BCA

CUET GT Paper III

DAY 01

REASONING
DIRECTION SENSE

MAH-CET 2024
VISION ACADEMY
FOR BBA/BBM/BMS/BCA

INVINCIBLE 2.0
MAH CET BBA BCA
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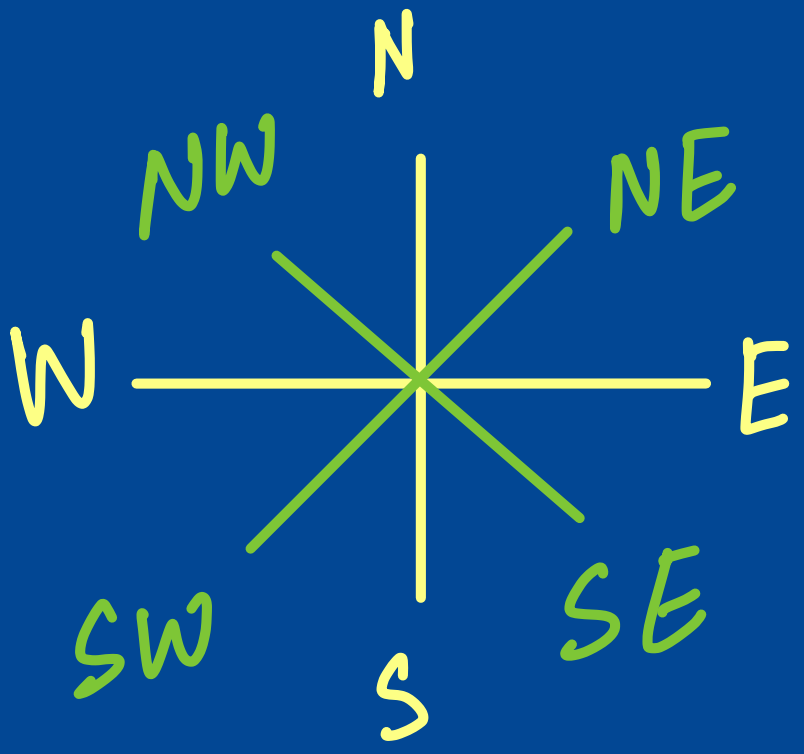
FOR MAH CET FOR BBA BBM BMS BCA & CUET UG PAPER 3 GENERAL TEST

Direction Sense

Understanding Directions



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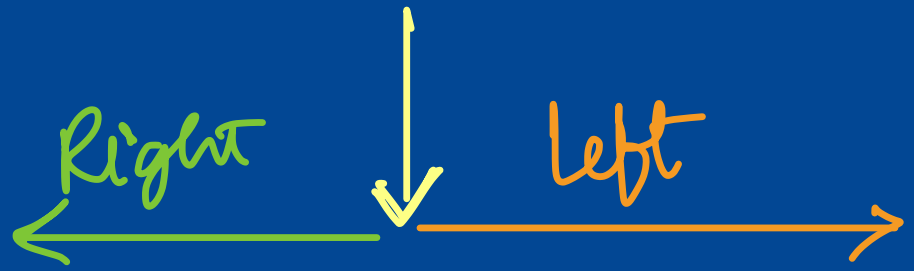
REMEMBER:

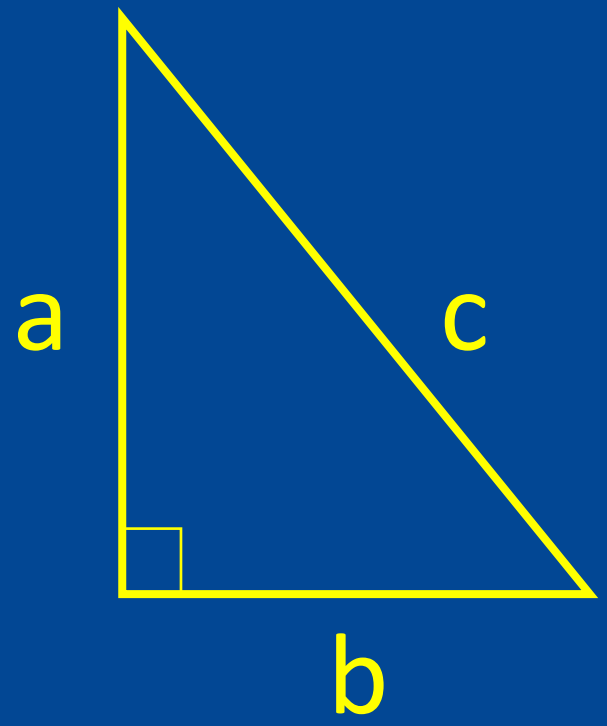
Right Turn = Clockwise
Left Turn = Anti-clockwise



Formula for shortest path Pythagoras Theorem

Hypotenuse^2 = (One side)^2 + (Other Side)^2

$$c^2 = a^2 + b^2$$



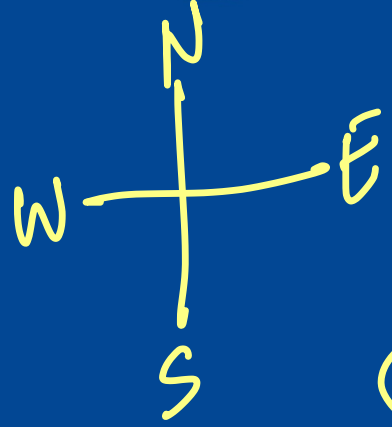
A boy goes in South direction, then he turns towards left and travels for some distance. After that he turns right and moves certain distance. At last he turns left and travel again for some distance. Now, in which direction is he moving?

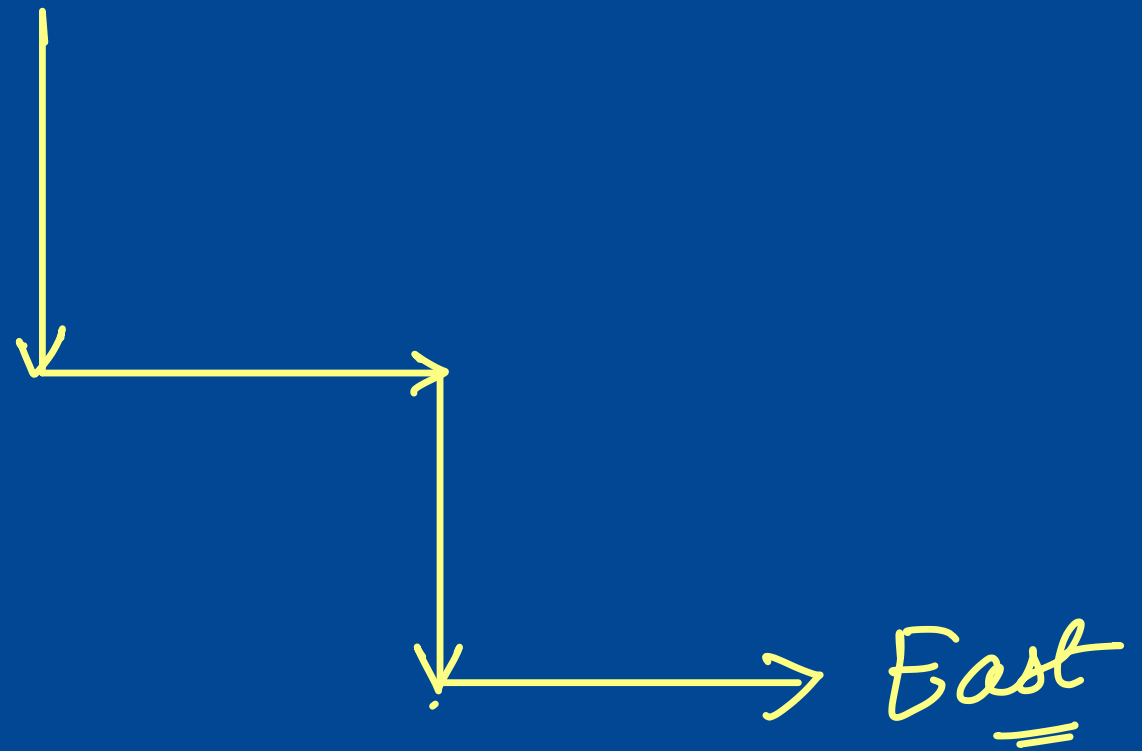
(a) South

(b) West

(c) East

(d) North





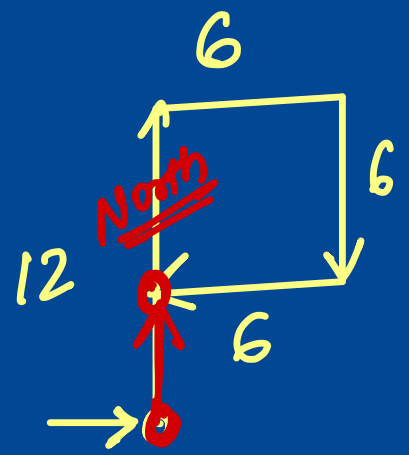
I was facing East from where I turned to my left and walked 12 ft, then I turned towards right and walked 6 ft, After that I walked 6 ft in South direction and at last I walked 6 ft in the West. Then, in which direction am I standing from the original point?

(a) West

(b) East

(c) South

(d) North



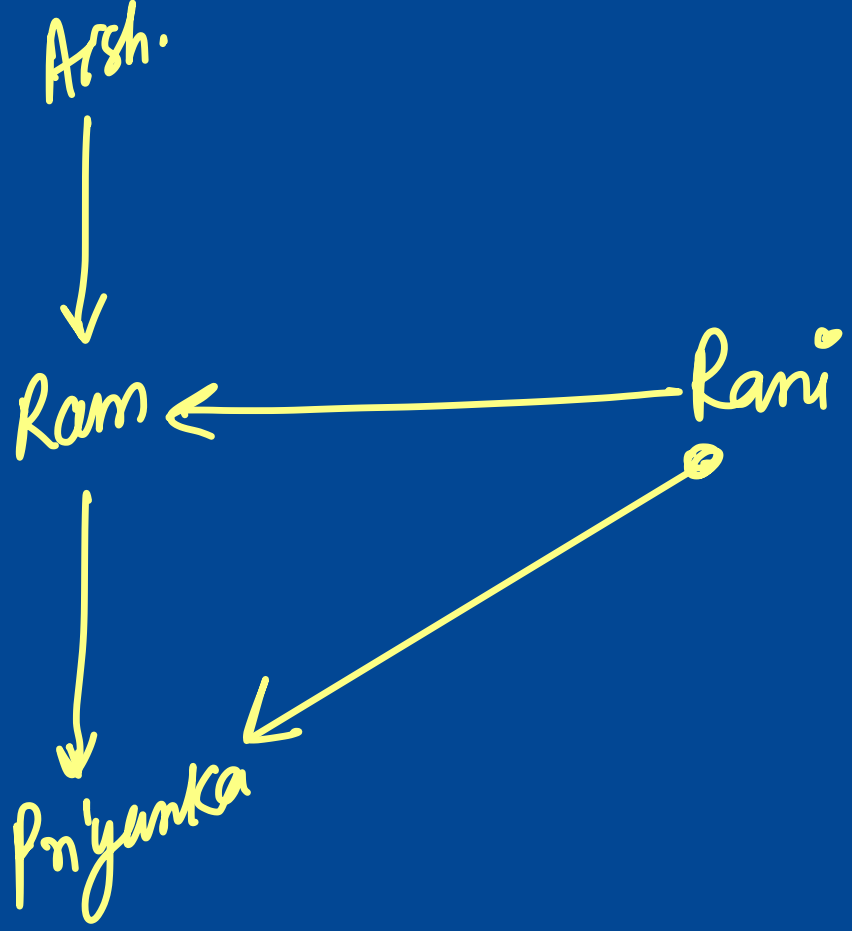
Ram is to the South of Aishwarya and to the West of Rani. If Priyanka is to the South of Ram, then in which direction is Priyanka with respect to Rani?

(a) South

(b) North-East

(c) South-West

(d) North



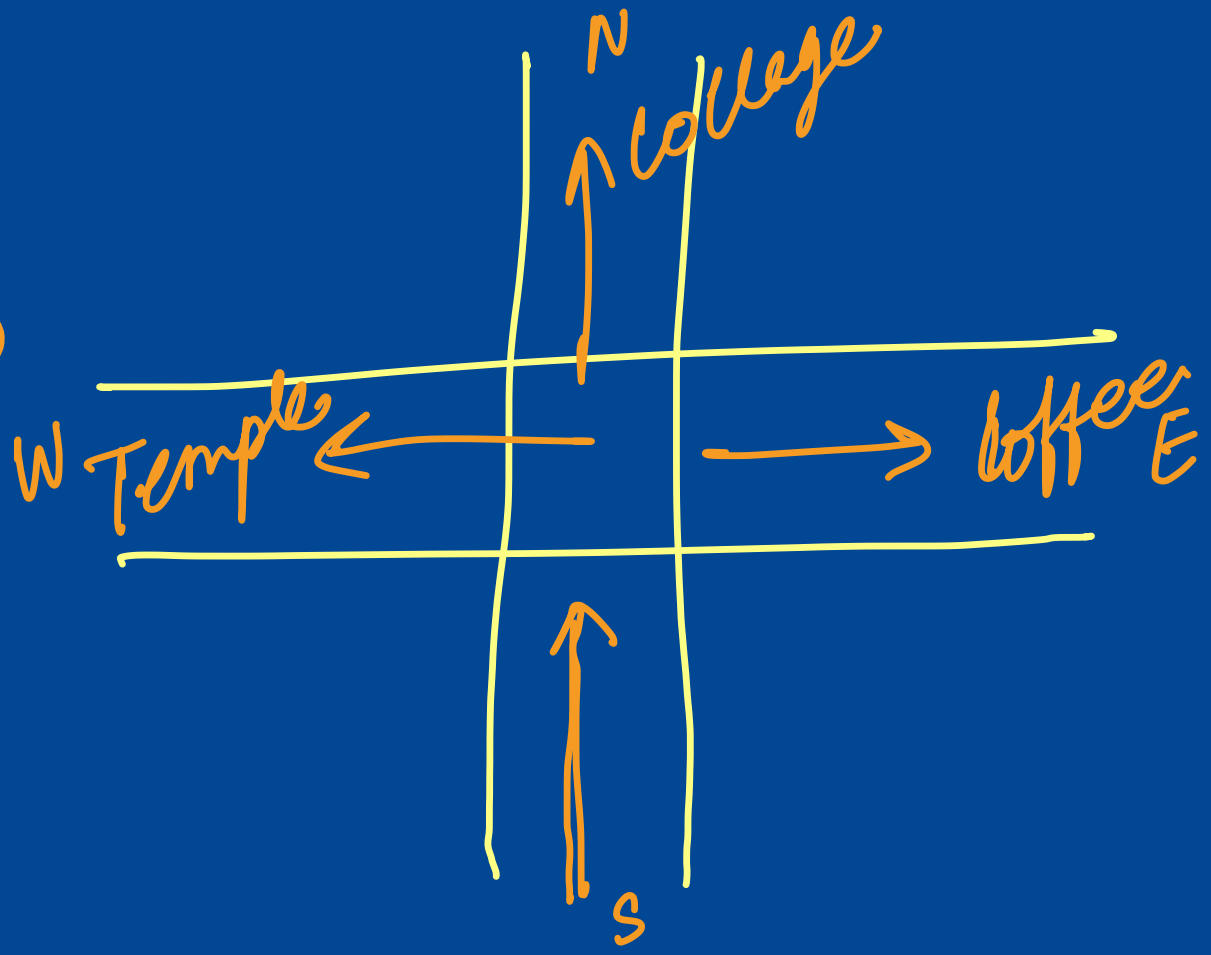
There are four roads. I have come from the South and want to go the temple. The road to the right leads me towards the coffee house while straight road leads to the college. In which direction is the temple?

(a) North

(b) East

(c) South

(d) West



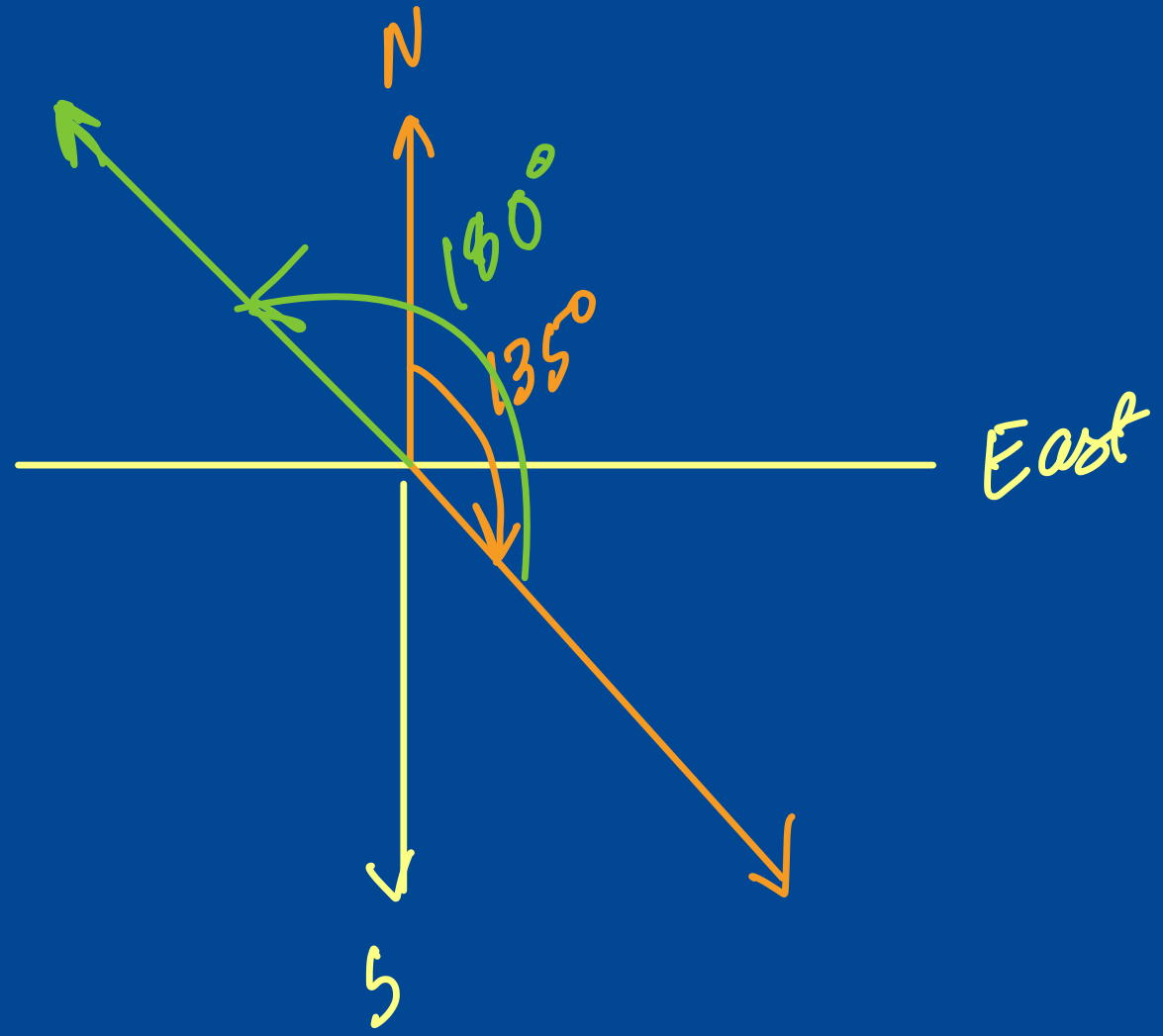
I am facing North. I turn 135° in clockwise direction, then 180° in anti-clockwise direction. What direction am I facing now?

(a) North-East

(b) West

(c) South-East

(d) North-West



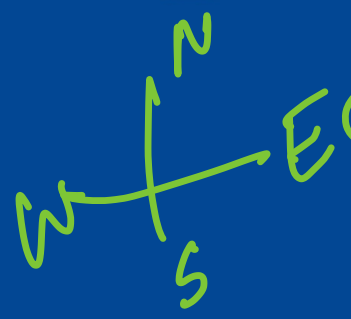
Rama is facing East. He turns 90° in clockwise direction, and then 135° in anti-clockwise direction and then again 90° in clockwise direction. Which direction is she facing now?

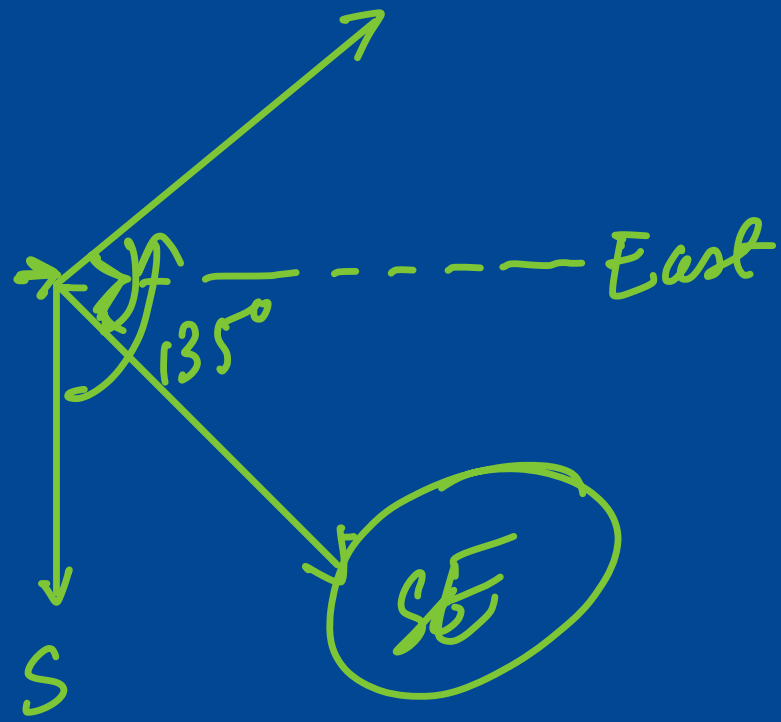
(a) South-East

(b) South

(c) North-East

(d) South-West





A person walks away from his house at 8:00 am and observes his shadow to his right. Then, he turns towards his left and then again towards his right.

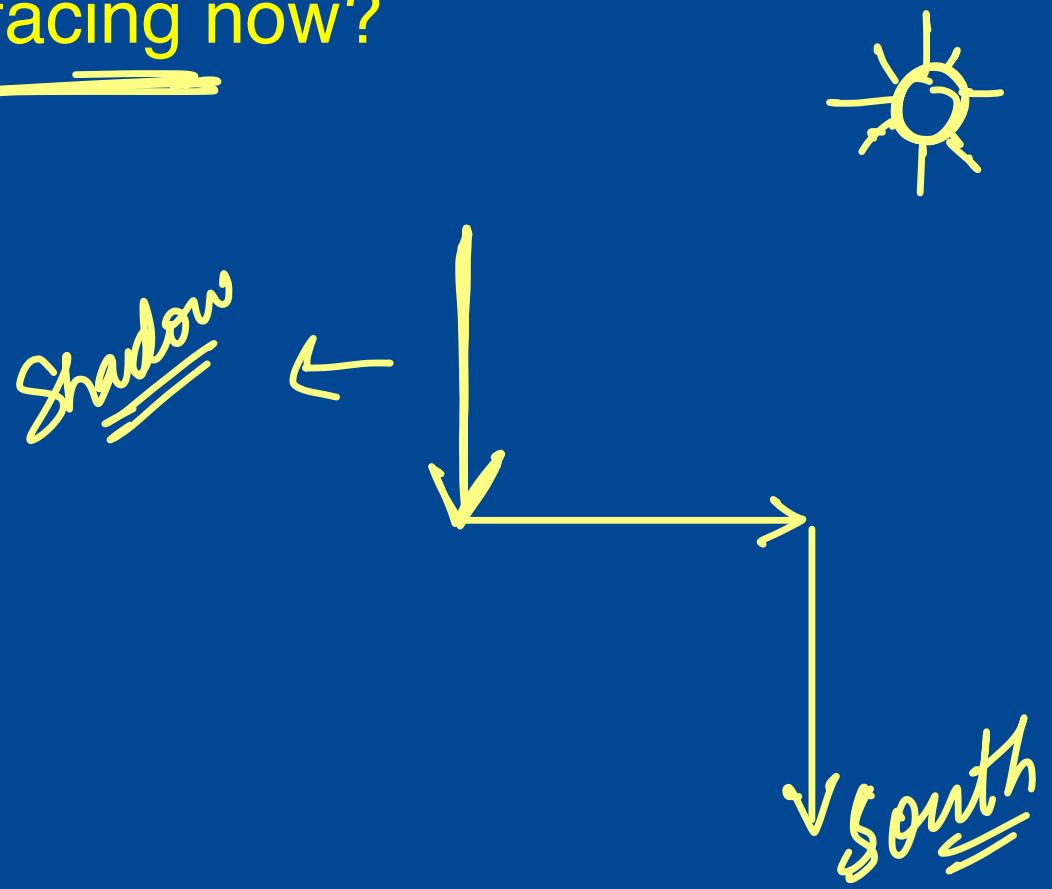
Which direction is he facing now?

(a) West

(b) South

(c) North

(d) East



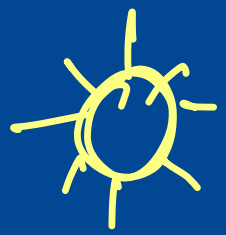
One day, during Sunset, two friends Sudhir and Amit were talking, facing each other. If Amit's shadow was on his right then in which direction is Aman facing? If Aman faces the direction opposite of what Sudhir is facing?

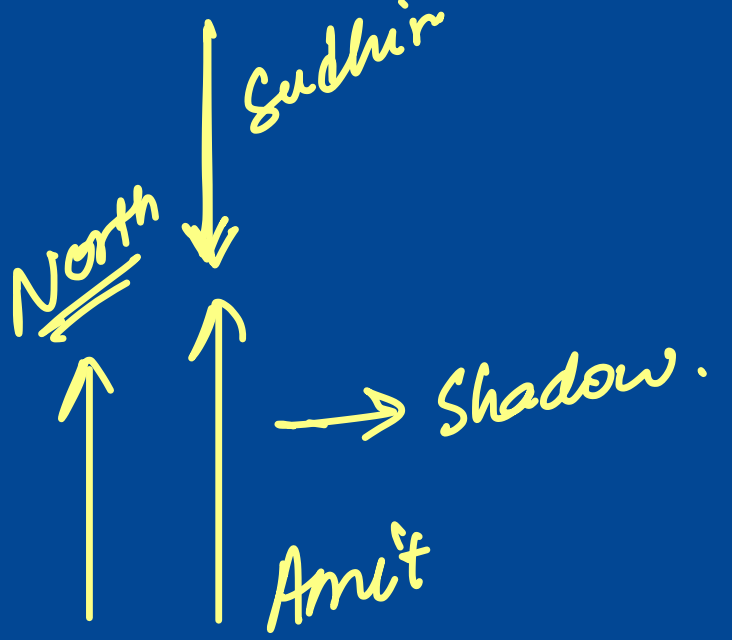
(a) North

(c) East

(b) West

(d) South





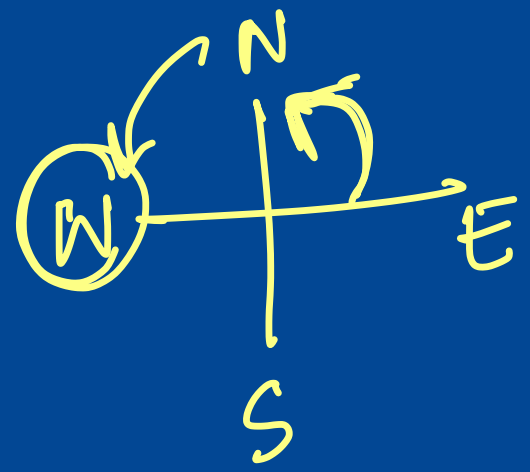
The time in a clock is quarter past twelve. If the hour hand points to the East, then towards which direction the minute hand is pointing?

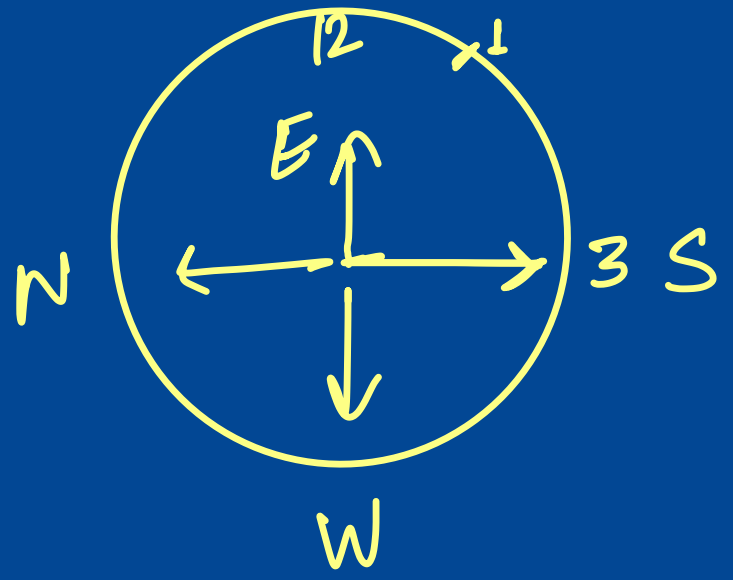
(a) South-West

(c) West

(b) South

(d) North





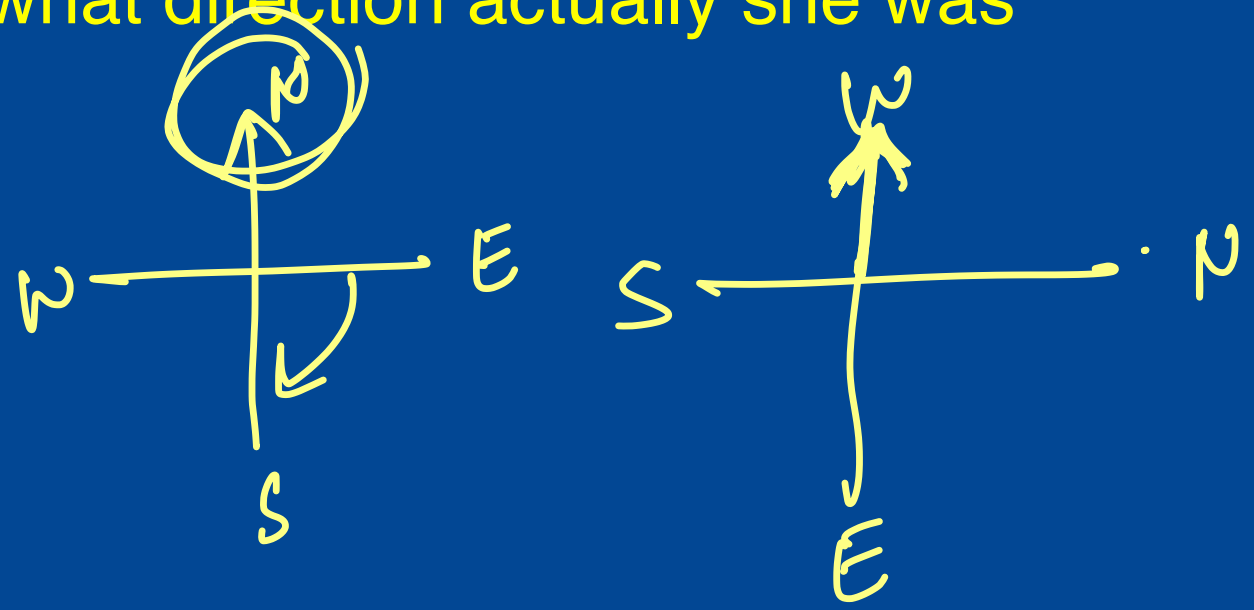
A direction pole was situated on the road crossing.

Due to an accident, the pole turned in such a manner that the pointer which was showing East, started showing South. Sita, a traveller went to the wrong direction thinking it to be West. In what direction actually she was travelling?

(a) North (b) West

(c) East

(d) South



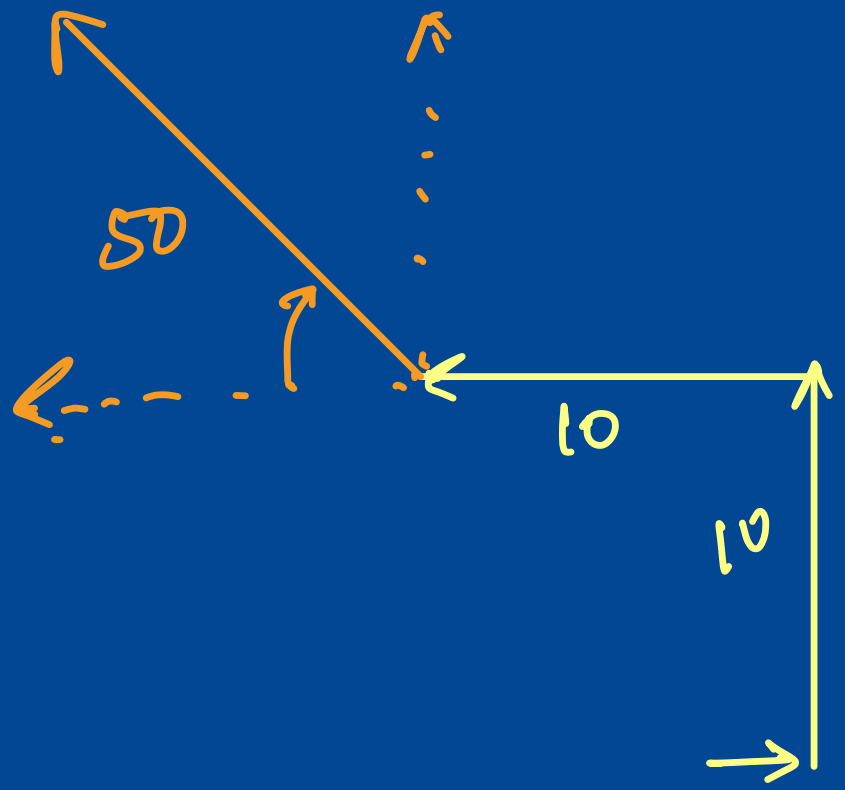
While facing East you turn to your left and walk 10 yards. Then, turn to your left and walk 10 yards and now turn 45° to your right and go straight to cover 50 yards. Now, in what direction are you with respect to the starting point?

(a) North-East

(b) North

(c) ~~South-East~~

(d) North-West



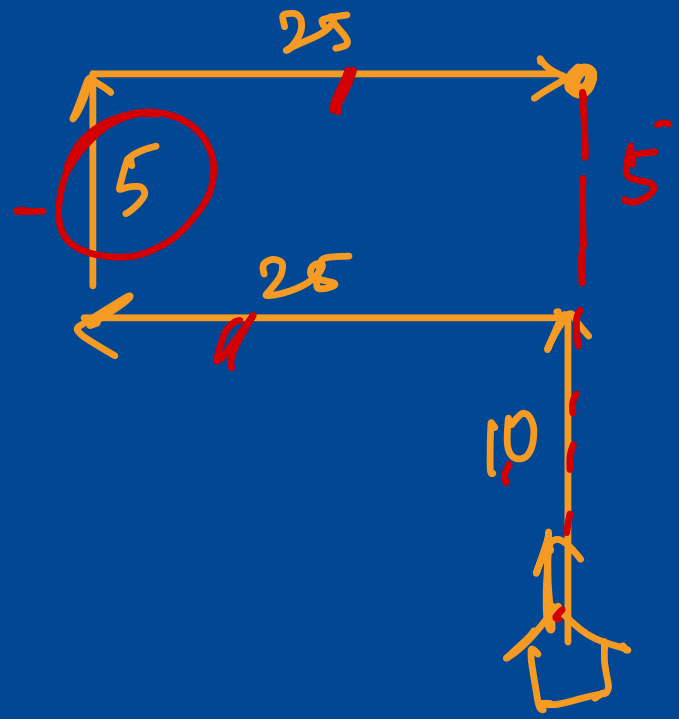
A house faces North. A man coming out of his house walked straight for 10 m, turned left and walked 25 m. He then turned right and walked 5 m and again turned right and walked 25 m. How far is he from his house?

(a) 15 m

(b) 55 m

(c) 60 m

(d) 65 m



A cyclist goes 30 km to North and then turning East he goes 40 km. Again, he turns to his right and goes 20 km. After this, he turns to his right and goes

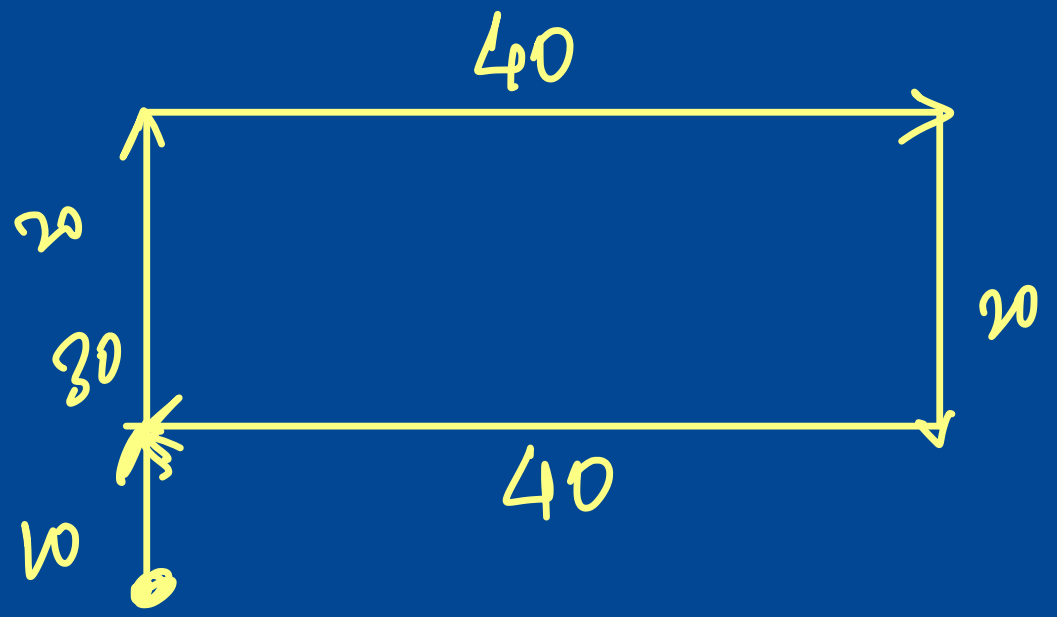
40 km. How far is he from his starting point?

(a) 6 km

(b) 10 km

(c) 25 km

(d) 40 km



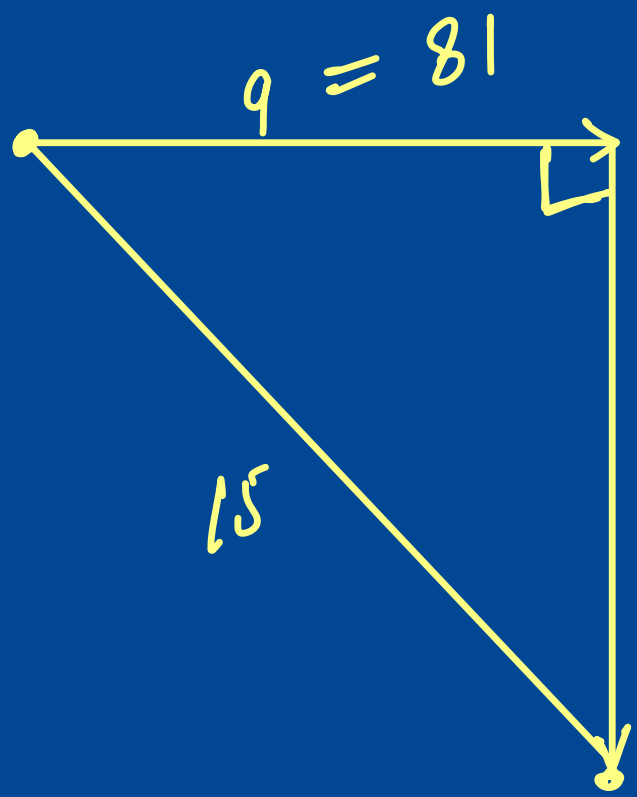
A boat moves from port towards East. After sailing for 9 miles, it turns towards right and covers another 12 miles. If it wants to go back to the port, what is the shortest distance now from its position?

(a) 21 miles

(b) 20 miles

(c) 18 miles

(d) 15 miles



$\sqrt{225} = 15$

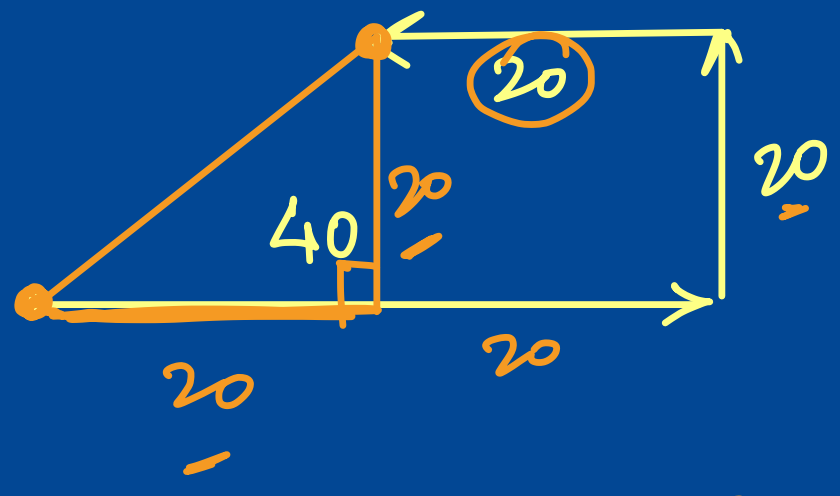
A cyclist rides 40 km to the East, turns North and rides 20 km, again turns left and rides 20 km. How far is he from his starting point?

(a) 0 km

(b) 10 km

(c) 15 km

(d) $20\sqrt{2}$ km



$400+400=800$

$20\sqrt{2}$

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