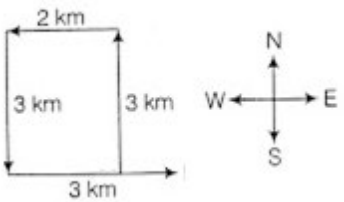
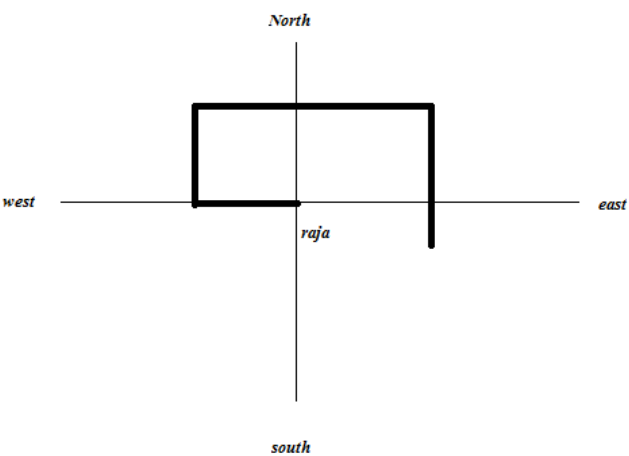
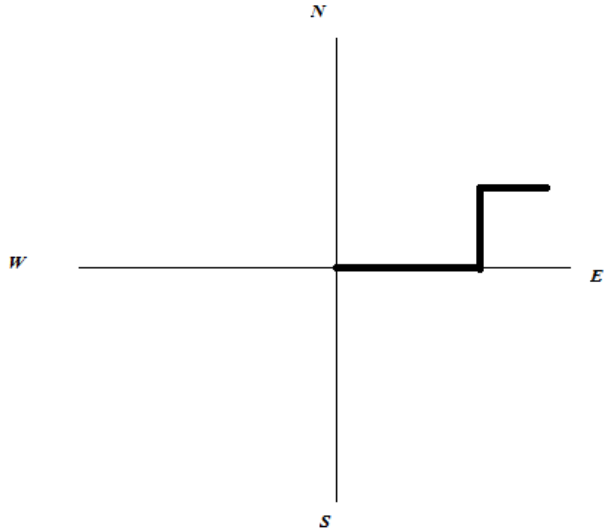
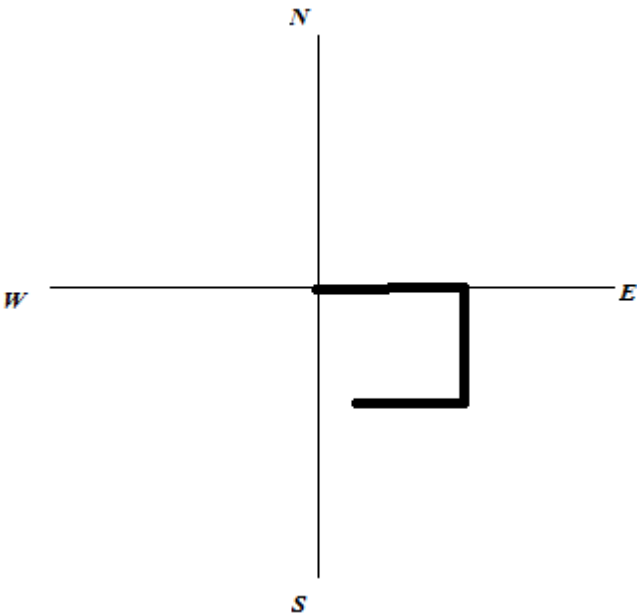
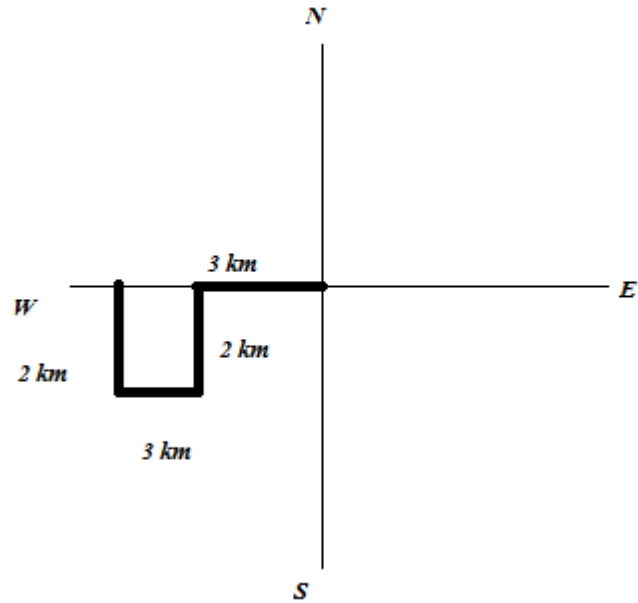


## Direction Sense Test Answers

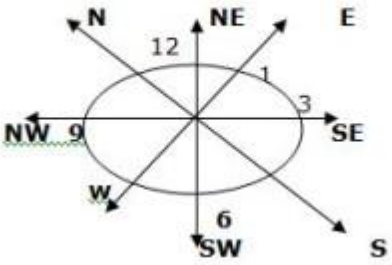
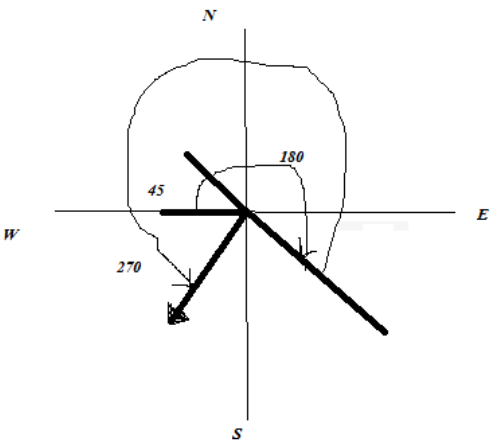
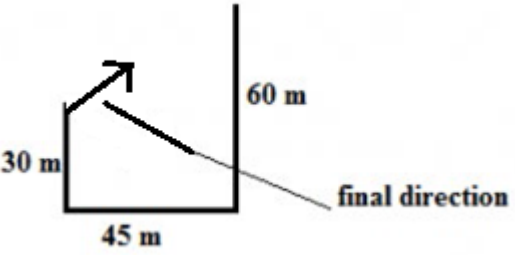
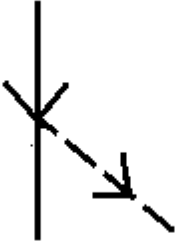
Q.No.	Ans	Exp
<b>Type 1</b>		
1	B	<p>(Starting) — 30m —┐                                   └ 40m —┐   └ 30m — (Final)</p>
2	C	<p>Left diagram: N, N-E, E, S-E, S, S-W, W, N-W. Right diagram: N, S-E, S, E, N-E, W, S, S-W.</p>
3	D	<p>↓ ← 3 km. ↑ 5 km.</p>
4	B	<p>10 km 5 km 15 km lokesh starting point</p>
5	D	<p>Starting point 10 25</p>

6	A	
7	B	
8	B	
9	D	<p><math>\Rightarrow \sqrt{8^2 + 6^2} = 10\text{km.}</math></p>

10	A	
11	A	
12	A	

13	C	
14	C	

15	D	
16	B	<p>B</p> <p>In the evening, sun is in the west and so the shadows fall towards east. Now, since Mohit' s shadow fell towards right, therefore, Mohit is facing North. So, Sumit standing face to face with Mohit, was facing South.</p>
17	E	<p>E</p> <p>Two cases are formed in this scenario if Mani facing north or south. Sun position changes from east to west</p>
18	A	
19	D	<p>D</p> <p>At 12' 0 clock, the hands should point straight to North direction, but they are pointing north east direction. So when it will be 6 PM, the hour hand will be slightly away from 6 i.e. it will point south west.</p>

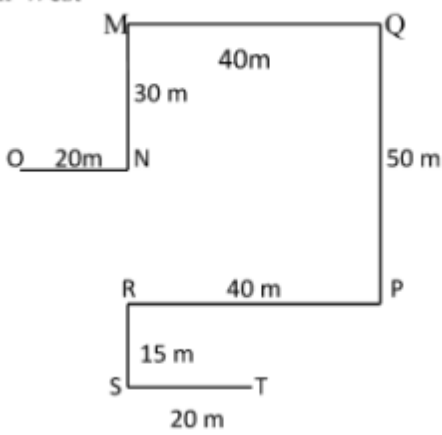
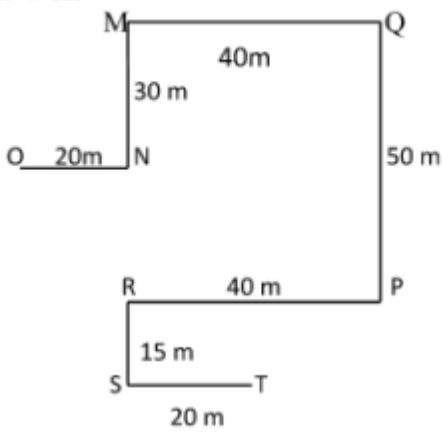
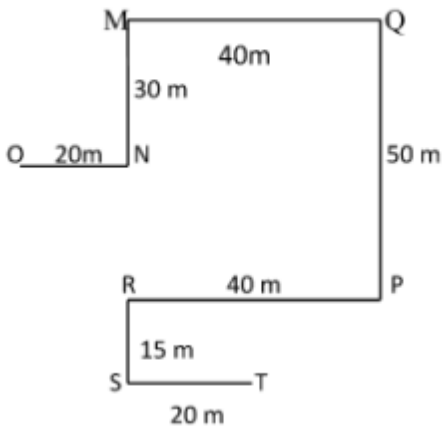
20	B	
21	A	
22	B	
23	B	<p>From North Vinay turned 180o , so he is now facing South direction. To his anticlockwise 45o</p>  <p>is South east as shown</p>

24	B	
25	B	
Type II		
1	A	
2	B	
3	C	

4	B	
5	E	
6	B	
7	B	
8	B	



9	A	<p>House</p> <p>3m</p> <p>10m</p> <p>4m</p> <p>1m</p> <p>3m</p> <p>4m</p> <p>5m</p> <p>Office</p> <p>2m</p>
10	C	<p>House</p> <p>3m</p> <p>10m</p> <p>4m</p> <p>1m</p> <p>3m</p> <p>4m</p> <p>5m</p> <p>Office</p> <p>2m</p>
11	E	<p>House</p> <p>3m</p> <p>10m</p> <p>4m</p> <p>1m</p> <p>3m</p> <p>4m</p> <p>5m</p> <p>Office</p> <p>2m</p>
12	C	<p>North-West</p> <p>M</p> <p>Q</p> <p>40m</p> <p>30 m</p> <p>O 20m N</p> <p>50 m</p> <p>R</p> <p>P</p> <p>40 m</p> <p>15 m</p> <p>S</p> <p>T</p> <p>20 m</p>

13	D	<p>North-West</p> 
14	A	<p>North-West</p> 
15	E	<p>North-West</p> 
Type - III		

1	D	
2	C	
3	A	
4	E	
5	B	
6	B	
7	D	
8	D	
9	C	
10	D	
11	D	<p>Distance between point I and point C = <math>\sqrt{152 + 52} = \sqrt{225 + 25} = \sqrt{250} = 5\sqrt{10}</math> m</p>
12	E	
13	D	
14	D	
15	D	