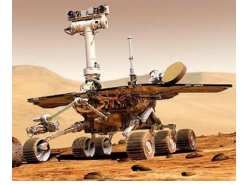
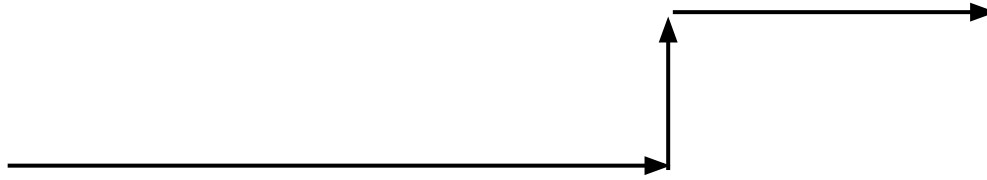


Vectors: Displacement

Read the following instructions given to the Martian Rover and by drawing a scale diagram find the rover's displacement from its starting point.



1.
Start: 6 km due North
followed by 4 km due
East. Stop

2.
Start: 5 km due East
followed by 5 km due
South. Stop

3.
Start: 3 km due East
followed by 3 km due
South followed by 3 km
due East.
Stop

4.
Start: 4 km due South
followed by 5 km due
East.
Stop

5.
Start 4 km due West
followed by 4 km due
South followed by 2 km
due East.
Stop

6.
Start: 5 km due East
followed by 3 km due
South followed by 5 km
due West followed by 2
km due North
Stop