UNIT 10: Bearings

QUESTION 1  What is the size of the angle between each pair of directions?

a  N and E  

b  N and S  

c  S and SW  

d  S and SE  

e  N and NE  

QUESTION 2  Show each bearing:

a  035°  

b  N 64° E  

c  260°  

QUESTION 3  Write the true bearing and the compass bearing of P from 0:

a  

b  

c  

QUESTION 4  A ship sailed 12 nautical miles north and then 20 nautical miles west. Find its bearing (to the nearest degree) from the starting point.  

QUESTION 5  A man walked due south and then turned and walked due east. He was then 3 km S 50° E from his starting point. How far (to the nearest metre) was he south of his initial position?  

QUESTION 6  A lighthouse is 10 nautical miles north-east of a ship. How far is the ship west of the lighthouse (correct to two decimal places).