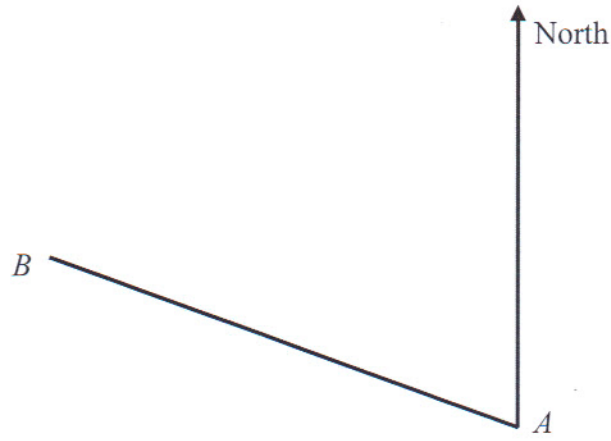


1.



(a) By measurement, find the bearing of B from A .

.....
 °
 (2)

(b) The bearing of another point, C , from A is 226° .
Work out the bearing of A from C .

.....
 °
 (2)

(Total 4 marks)

Q1

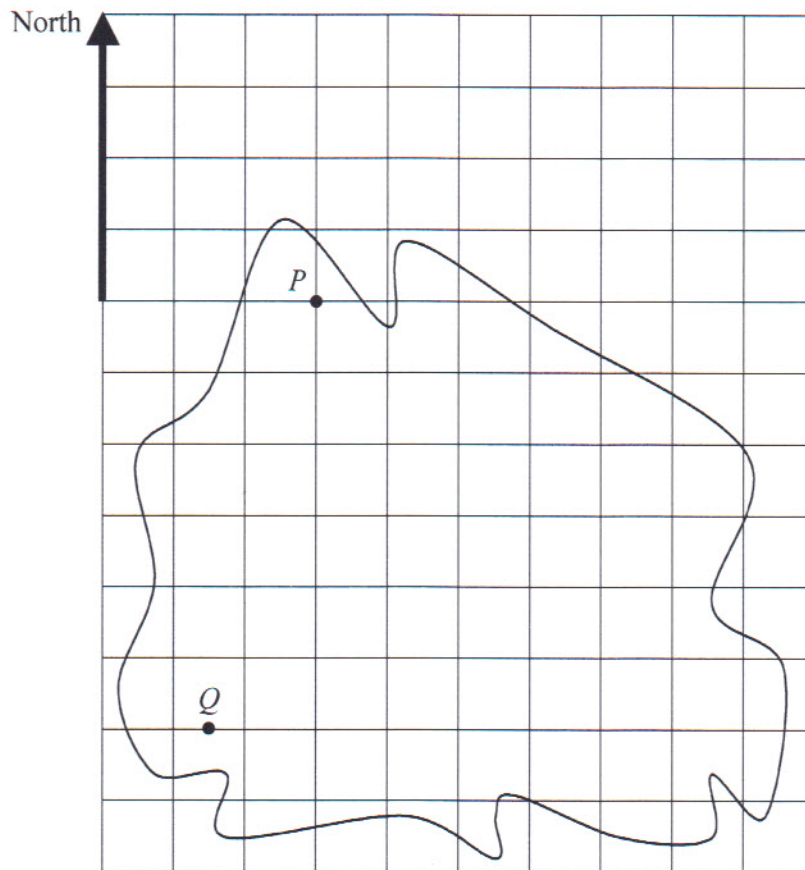
Answer ALL TWENTY questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

1. The diagram shows a map of an island.
Two towns, P and Q , are shown on the map.

Nov 04 3H



- (a) Find the bearing of Q from P .

.....
○
(2)

The scale of the map is 1 cm to 5 km.

(b) Find the real distance between P and Q .

Nov 04 3H cont

Leave
blank

Another town, R , is due East of Q .
The bearing of R from P is 135° .

(c) On the map, mark and label R .

..... km
(2)

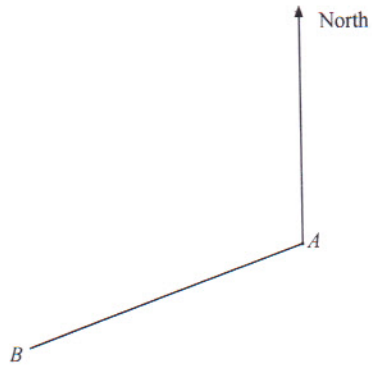
(2)

Q1

(Total 6 marks)

May 08 441.

2. The diagram shows two towns, *A* and *B*, on a map.



(a) Measure the bearing of *B* from *A*.

.....
(2)

(b) *C* is another town.
The bearing of *C* from *A* is 125° .
Find the bearing of *A* from *C*.

.....
(2)

(Total 4 marks)

Q2

3.

NOV 09 41

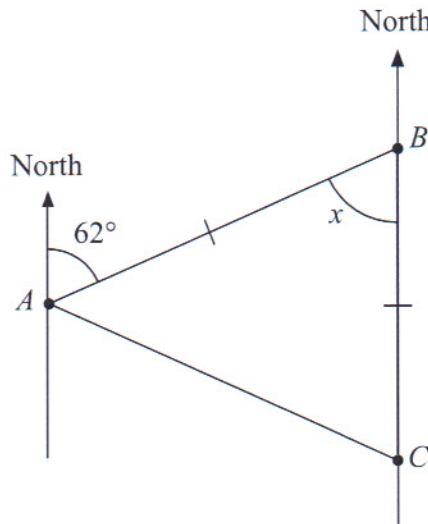


Diagram NOT accurately drawn

The bearing of B from A is 062° .
 C is due south of B .
 $AB = CB$.

(a) (i) Find the size of angle x .

.....
 °

(ii) Give a reason for your answer.

.....
 (2)

(b) Work out the bearing of C from A .

.....
 °
 (2)

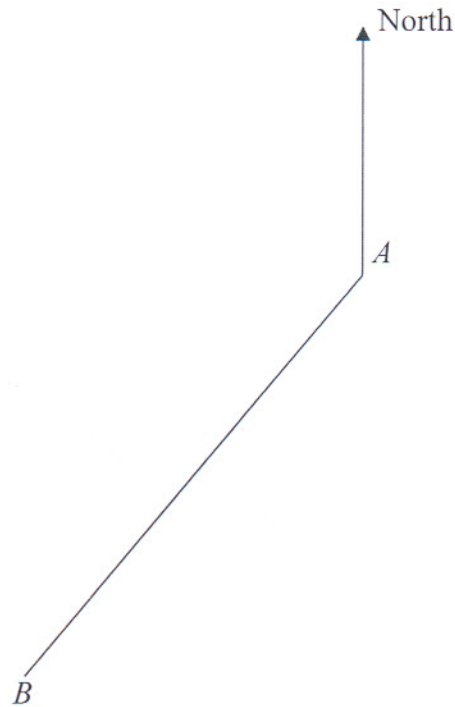
Q3

(Total 4 marks)



Nov 05 4H

5. The diagram shows two towns, *A* and *B*.



(a) Measure the bearing of *B* from *A*.

.....
 (2)

(b) A plane flies along the perpendicular bisector of the line *AB*.
 Use ruler and compasses to construct the perpendicular bisector of *AB*.
 Show all your construction lines.

(2)

(c) The bearing of another town, *C*, from *A* is 120° .
 Work out the bearing of *A* from *C*.

.....
 (1)

(Total 5 marks)

Q5



22. The diagram shows the positions of two ships, *A* and *B*, and a lighthouse *L*.

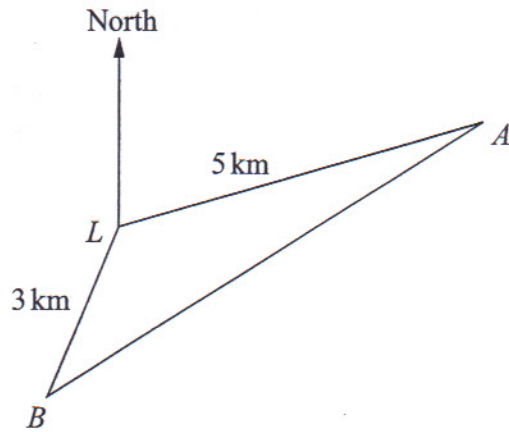


Diagram NOT accurately drawn

Ship *A* is 5 km from *L* on a bearing of 070° from *L*.
 Ship *B* is 3 km from *L* on a bearing of 210° from *L*.
 Calculate the distance between ship *A* and ship *B*.
 Give your answer correct to 3 significant figures.

..... km

(Total 3 marks)

Q22

