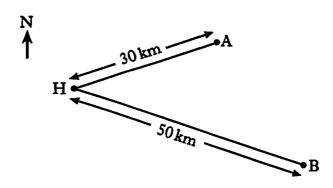
Bearings (Credit Past Paper quest 2003 – 2007)

Two yachts leave from harbour H.

Yacht A sails on a bearing of 072° for 30 kilometres and stops.

Yacht B sails on a bearing of 140° for 50 kilometres and stops.



How far apart are the two yachts when they have both stopped?

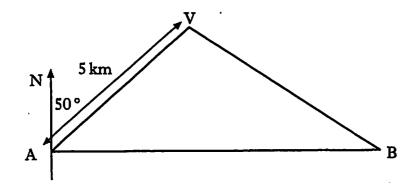
Do not use a scale drawing.

RE 4

David walks on a bearing of 050° from hostel A to a viewpoint V, 5 kilometres away.

Hostel B is due east of hostel A.

Susie walks on a bearing of 294° from hostel B to the same viewpoint.



Calculate the length of AB, the distance between the two hostels.

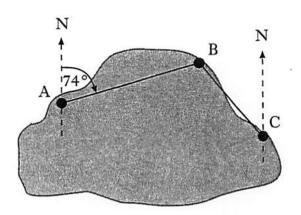
KU	RE
5	

Bearings (Credit Past Paper quest 2003 - 2007)

(c)

6 (a) There are three mooring points A, B and C on Lake Sorling.

(PZ)



From A, the bearing of B is 074°.

From C, the bearing of B is 310°.

Calculate the size of angle ABC.

(b) B is 230 metres from A and 110 metres from C.Calculate the direct distance from A to C.Give your answer to 3 significant figures.

2

KU RE

- 6. Brunton is 30 kilometres due North of Appleton.
 - (P2) From Appleton, the bearing of Carlton is 065°. From Brunton, the bearing of Carlton is 153°.

