

Exam Type Credit Sine & Cosine Rule

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Q1. There are three mooring points A, B and C on Loch Lommond.

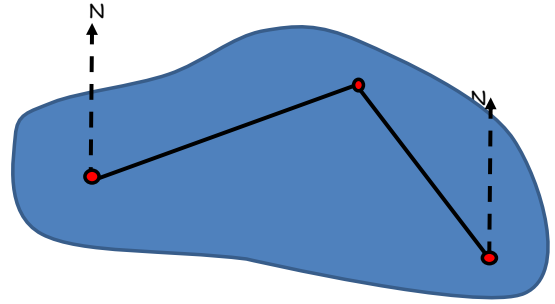
From A, the bearing of B is 067°

From C, the bearing of B is 319°

(a) Calculate the size of the angle ABC

(b) B is 226 metres from A and 128 metres from C.

Calculate the direct distance from A to C to the nearest metre.



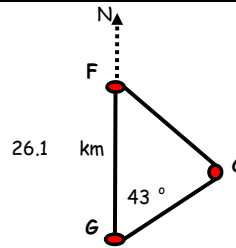
(5 marks)

Q2. Fintry is 26.1 kilometres due North of Glasgow.

From Glasgow, the bearing of Coatbridge is 043°

From Fintry, the bearing of Coatbridge is 160°

Calculate the distance between Fintry and Coatbridge.



(4 marks)

Q3. Martin walks on a bearing of 036° from a hostel A to a viewpoint V, 11.5 kilometres away.

(4 marks)

Hostel B is due east of hostel A.

Kirsty walks on a bearing of 283° from hostel B to the same viewpoint.

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

