May 05 Paper 2

20 A plane flies from Auckland (*A*) to Gisborne (*G*) on a bearing of 115°.
The plane then flies on to Wellington (*W*). Angle $AGW = 63°$.
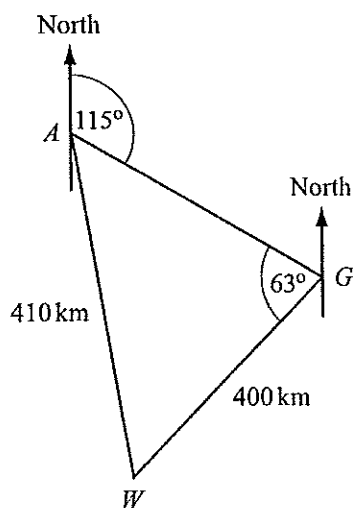
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(a) Calculate the bearing of Wellington from Gisborne.

Answer (a) .... [2]

(b) The distance from Wellington to Gisborne is 400 kilometres.
The distance from Auckland to Wellington is 410 kilometres.

Calculate the bearing of Wellington from Auckland.

Answer (b) .... [4]