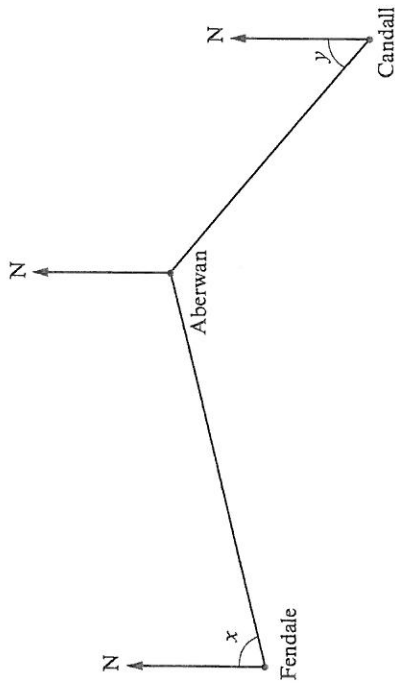


THREE-FIGURE BEARINGS

Examiner only

14. The diagram shows three places Fendale, Aberwan and Candall in the positions that they would appear on a map drawn to scale.



(a) Measure the angles marked x and y on the diagram.

$x = \dots\dots\dots^\circ$
 $y = \dots\dots\dots^\circ$ [2]

(b) Find the bearing of

(i) Aberwan from Fendale,

..... [1]

(ii) Fendale from Aberwan.

..... [1]

(c) Find the bearing of Aberwan from Candall.

..... [2]

Examiner only

11. A ship, S , is on a bearing of 075° from Dublin and on a bearing of 330° from Aberdaron. By drawing suitable lines on the diagram below, mark the position of S .

[3]



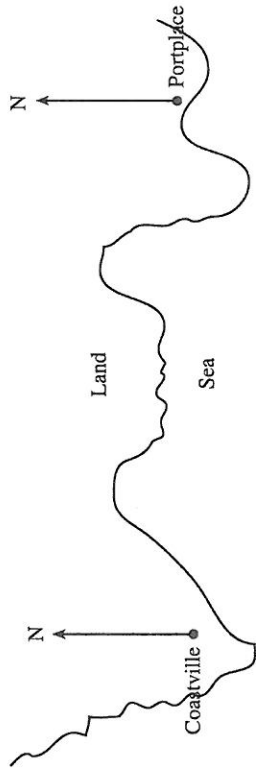
8. The diagram below is drawn to scale. It shows two airports *A* and *B*, with *B* due north of *A*. An aircraft is on a bearing of 060° ($N60^\circ E$) from *A* and 130° ($S50^\circ E$) from *B*. Clearly drawing all necessary lines, mark the position of the aircraft on your diagram. [3]



8. *A* and *B* are two ports with *A* due West of *B*. A ship is at a point *C* on a bearing of 148° ($S32^\circ E$) from *A* and 220° ($S40^\circ W$) from *B*. By drawing suitable lines, mark the position of *C* on your diagram. [3]



9. Coastville and Portplace are two coastguard stations. A ship is on a bearing of 165° ($S15^\circ E$) from Coastville and on a bearing of 228° ($S48^\circ W$) from Portplace. Draw these bearings and mark the position of the ship. [3]



10. Write down, in terms of n , the n th term of each of the following sequences.

(a) 7 14 21 28

.....
..... [1]

(b) 3 8 13 18

.....
..... [2]