Maths

When Given Two Points and Two Bearings Find a Third Point

Miss Davies

Given two points and two bearings find a third point

1. Points A and B are shown.

A third point, C, is on a bearing of 038°

from A and 264° from B.

Show the position of point C.

2. Points D and E are shown.

A third point, F, is on a bearing of 191°

from E and 125° from D.

Show the position of point F.

ₓE

ˣB

Dˣ

Aˣ

Given two points and two bearings find a third point

3. Here are two boats,
A third boat is on a bearing of 083° from boat A and 307° from boat B.
Mark the position of the third boat.

4. A plane is travelling from Manchester (MAN) to Athens (ATH).
It is on a bearing of 095° from MAN and 324° from ATH. Show the position of the plane.

x
Boat A

x
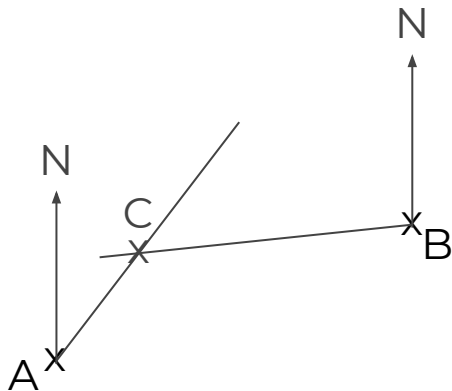MAN

x
Boat B

x
ATH

Answers

Given two points and two bearings find a third point

1. Points A and B are shown.

A third point, C, is on a bearing of 038°
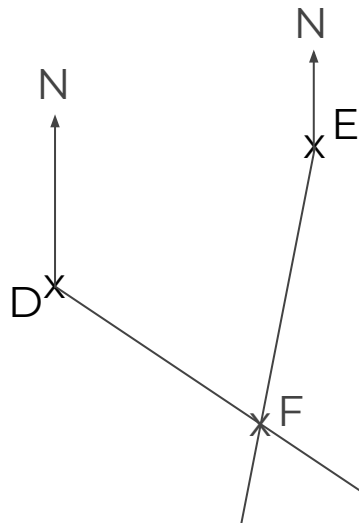
from A and 264° from B.

Show the position of point C.
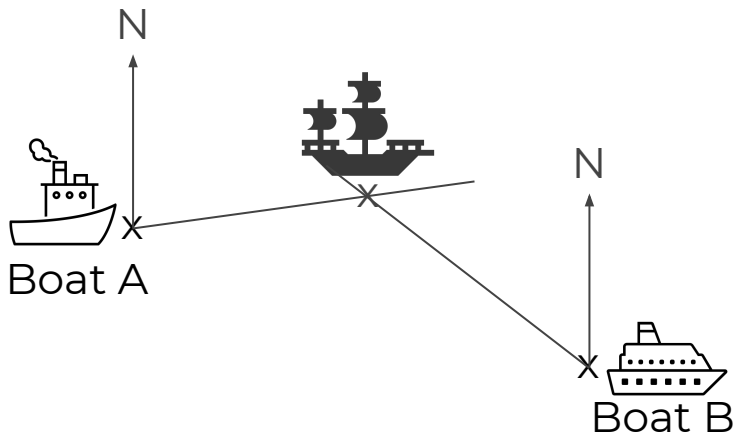
2. Points D and E are shown.

A third point, F, is on a bearing of 191° from E and 125° from D.

Show the position of point F.

Given two points and two bearings find a third point

3. Here are two boats,
A third boat is on a bearing of 083° from boat A and 307° from boat B.
Mark the position of the third boat.

Boat A

Boat B

4. A plane is travelling from Manchester (MAN) to Athens (ATH).
It is on a bearing of 095° from MAN and 324° from ATH. Show the position of the plane.

MAN

ATH