Bearings
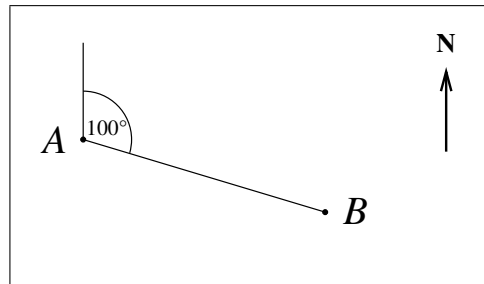
i. **A house is directly north-east of a lake. What is the bearing of the lake from the house?**

ii. **Here is a map showing points A and B. Kemal wants to measure the bearing of A from B. He draws two lines and measures the angle between them.**
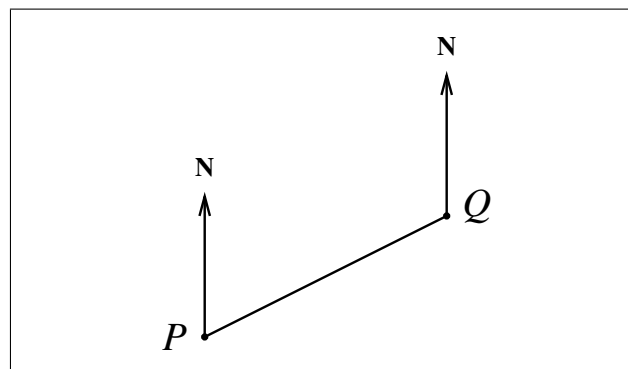

Kieran says that the bearing of A from B is $100°$.
Is his method correct? Give a reason for your answer.

iii. **On a map, the bearing of D from C is $045°$. Nina says:**

"D is North West of C."

Is Nina correct? Give a reason for your answer.

iv. **The diagram shows the position of two ports P and Q on a map.**

- Measure the bearing of Q from P.
- A rock R is on a bearing of $115°$ from Q. On the map R is 3 cm from Q. Mark the position of R with a cross ($\times$) and label it R.