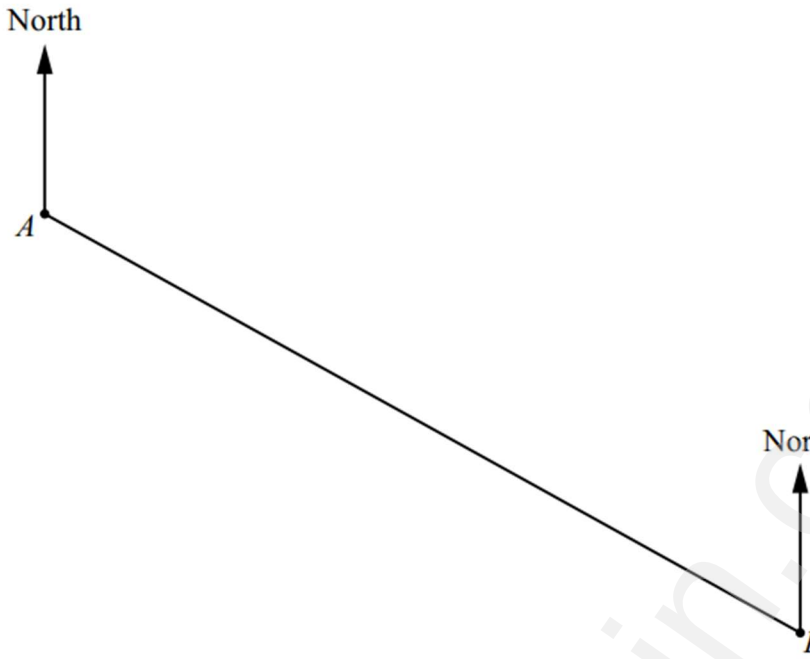
5



Two towns, A and B, are shown on a map.
The scale of the map is 1 cm to 3 km.

(a) Find the actual distance between A and B.

..... km [1]

(b) Measure the bearing of B from A.

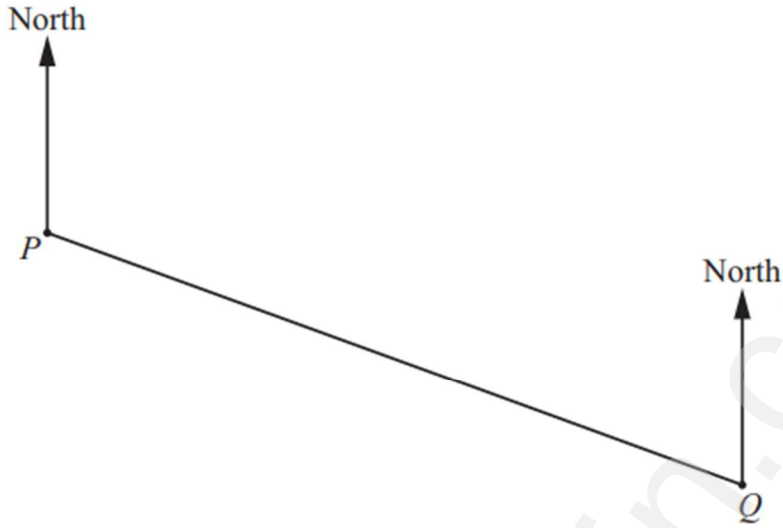
..... [1]

(c) Calculate the bearing of A from B.
You must show all your working.

..... [2]

2 The scale drawing shows the positions of two villages, P and Q.

The scale is 1 cm represents 0.5 km.



(a) Find the actual distance between village P and village Q.

..... km [2]

(b) Measure the bearing of village Q from village P.

..... [1]

6 The scale drawing shows the positions of two towns, P and Q.
The scale is 1 cm represents 4 km.

Scale: 1 cm to 4 km

(a) Find the actual distance between town P and town Q.

..... km [2]

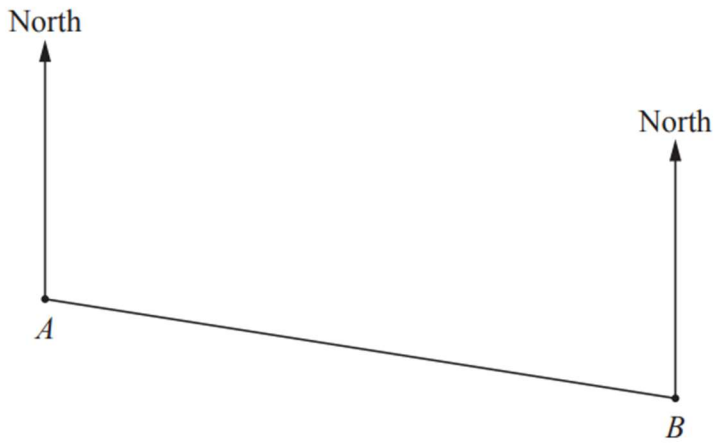
(b) Measure the bearing of town Q from town P.

..... [1]

(c) Town X is 28 km from town P on a bearing of 140°.

On the scale drawing, mark the position of town X. [2]

9



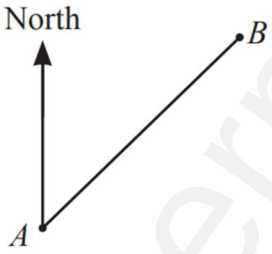
NOT TO SCALE

The bearing of B from A is 105°.

Find the bearing of A from B.

..... [2]

9



NOT TO SCALE

The bearing of B from A is 059°.

Work out the bearing of A from B.

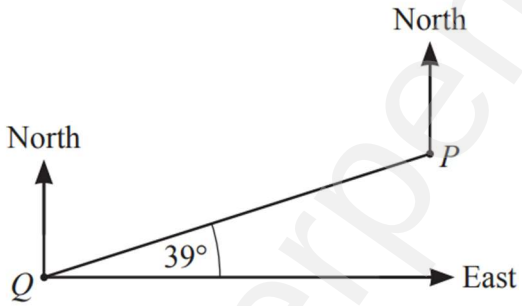
..... [2]

7 The bearing of P from Q is 110°.

Find the bearing of Q from P.

..... [2]

7

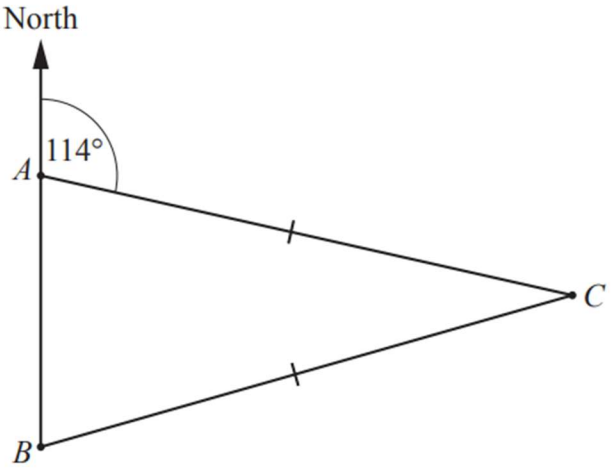


NOT TO SCALE

Find the bearing of Q from P.

..... [2]

4 **(a)**



NOT TO SCALE

A, B and C are three towns and the bearing of C from A is 114°.
B is due south of A and $AC = BC$.

Calculate the bearing of B from C.

..... [3]

13 The bearing of B from A is 107°.

Calculate the bearing of A from B.

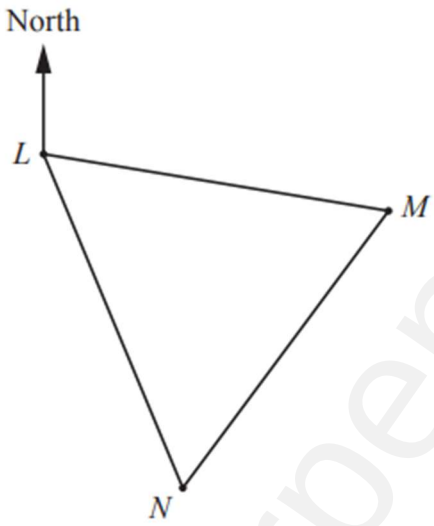
..... [2]

8 The bearing of X from Y is 274°.

Calculate the bearing of Y from X.

..... [2]

10



NOT TO SCALE

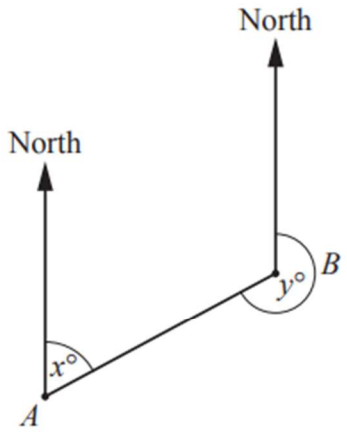
On a map, the positions of the towns L, M and N form an equilateral triangle.
The bearing of M from L is 103°.

Work out the bearing of L from N.

..... [2]

18 The bearing of B from A is $x°$.
The bearing of A from B is $y°$.
$x : y = 2 : 7$

Calculate the value of y.



NOT TO
SCALE

$y =$ ..... [3]