**Topic:** Bearing

1. In the diagram, the bearing of B from A is 064˚, AĈB=70˚ and AB=BC. Calculate

(a) The bearing of A from B,

(b) $∠ABC$,

(c) The bearing of C from B.

2. The bearing of B from A is 031 ̊, the bearing of C

 From A is 129˚ and AB=AC calculate

(a) The bearing of A from B,

(b) $∠$ ACB,

(c) The bearing of C from B



3. in the diagram, A, B and C represent three islands.

B is 25km from A on a Bearing of 020˚.

C is 36 km from A on a bearing of 075˚.

(a) Calculate the bearing of A from B.

(b) Calculate the distance of C from B.



4. P, Q and R three towns. Q is equidistance from P and R.

 The bearing of R from Q is 168˚ and QPR=57˚,

Find

(a) The reflex angle RPQ,

(b) The acute angle PQR,

(c) The bearing of Q from R,

(d) The bearing of Q from P.

5. P, Q and R are the three points on level ground. Given that the bearing of R from

P is 135˚.$∠$Q=55˚ and ˚.$∠R$=48˚.calculate the bearing of

 (a) P from R (b) Q from R (c) P from Q

6. A point P is 12 km due to north of another point Q.the bearing of a lighthouse from P is 135˚ and Q it is 120˚. Calculate the distance of PR.

7. An island R is 100 km due to south of the port O. Calculate the bearing of R from C.

8. The diagram shows the A, B, C and D, the four corners of a horizontal rectangular

 Field ABCD.The corner B is 82 meters from A on a bearing of 021˚ and C is

173 meters from A.

Calculate

(a) The bearing of C from B,

(b) BÂC

(c) The bearing of C from A.