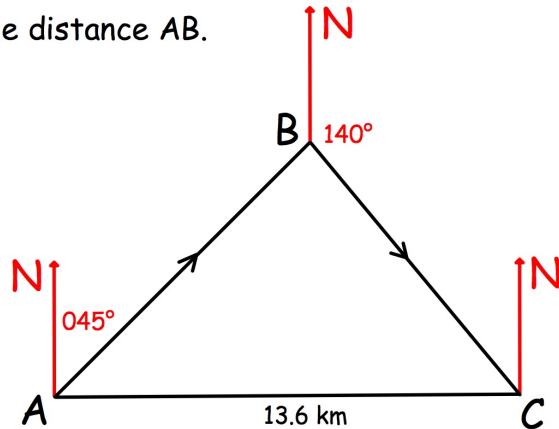


1. A ship travels from A to B on bearing 045° , then from B to C on bearing 140° .

The ship is then 13.6 km East of A.

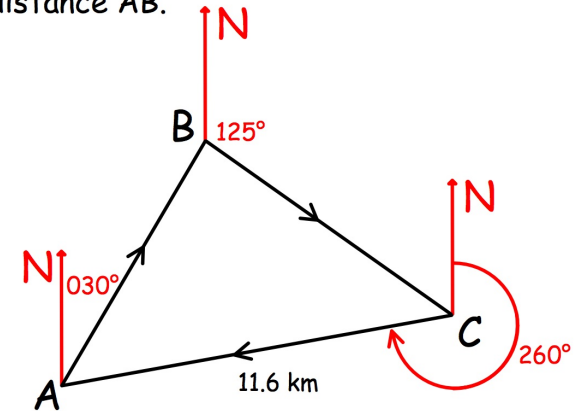
Find the distance AB.



2. A ship travels from A to B on bearing 030° , then from B to C on bearing 125° .

The ship then returns 11.6 km on bearing 260° .

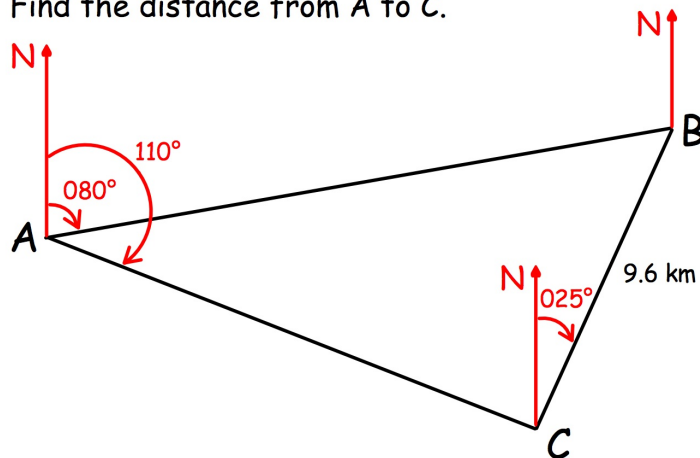
Find the distance AB.



3. From A, B is on bearing 080° and C on bearing 110° . From C, B is on bearing 025° .

The distance between B and C is 9.6 km.

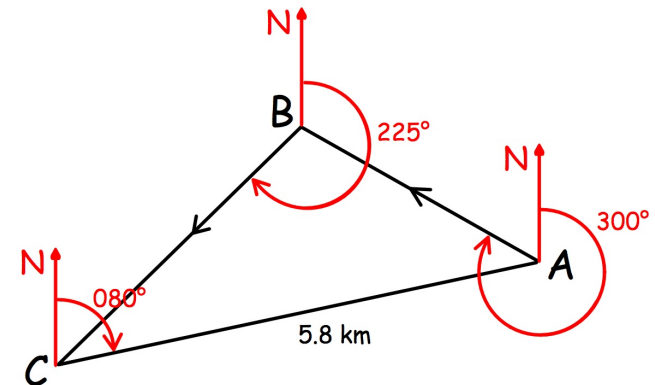
Find the distance from A to C.



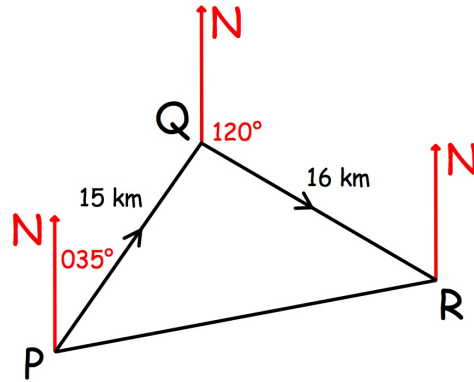
4. A ship travels from A to B on bearing 300° , then from B to C on bearing 225° .

A is then 5.8 km from C on bearing 080° .

Find the distance from A to B.

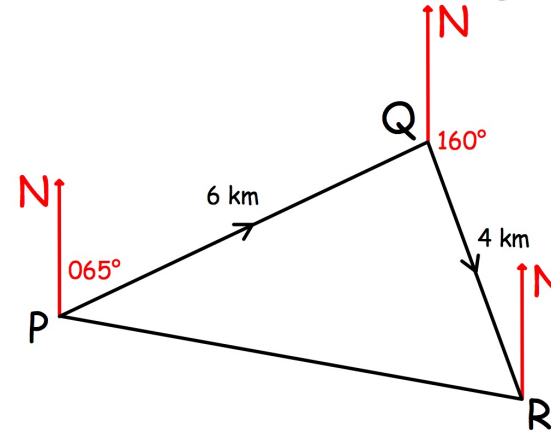


5. A ship travels 15 km from P to Q on bearing 035° , then 16 km from Q to R on bearing 120° .



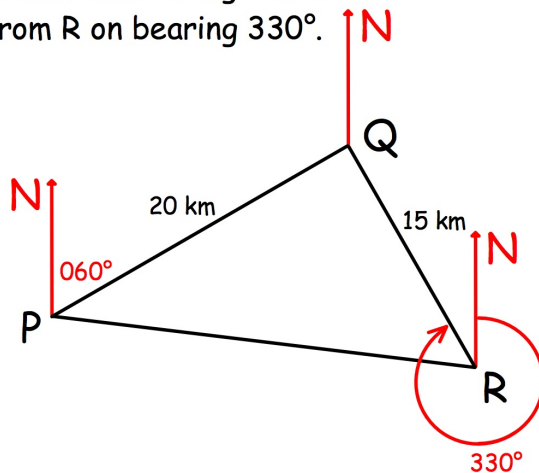
Find the distance and bearing of R from P, and hence find the back-bearing, P from R.

6. A ship travels 6 km from P to Q on bearing 065° , then 4 km from Q to R on bearing 160° .



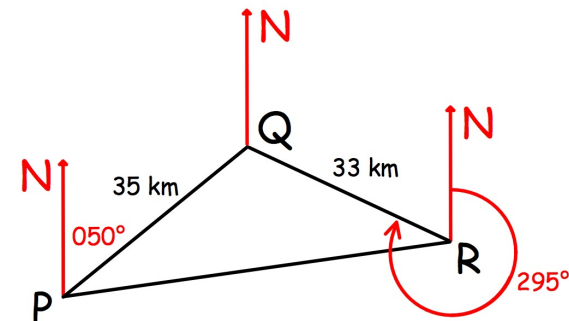
Find the distance and bearing of R from P, and hence find the back-bearing, P from R.

7. Q is 20 km from P on bearing 060° .
Q is 15 km from R on bearing 330° .



Find the distance and bearing of R from P, and hence find the back-bearing, P from R.

8. Q is 35 km from P on bearing 050° .
Q is 33 km from R on bearing 295° .



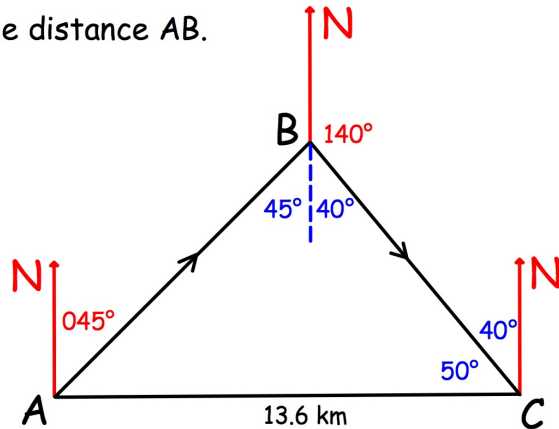
Find the distance and bearing of P from R, and hence find the back-bearing, R from P.

1. A ship travels from A to B on bearing 045° , then from B to C on bearing 140° .

The ship is then 13.6 km East of A.

Find the distance AB.

10.5 km

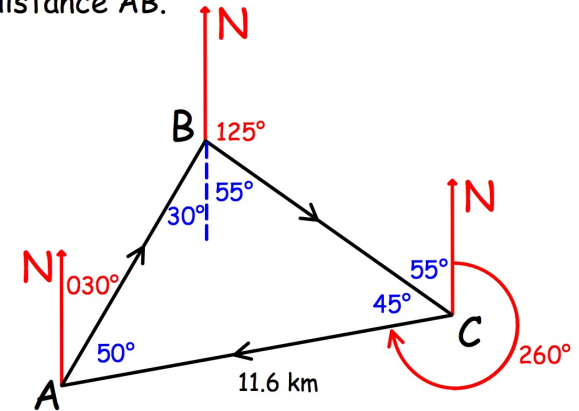


2. A ship travels from A to B on bearing 030° , then from B to C on bearing 125° .

The ship then returns 11.6 km on bearing 260° .

Find the distance AB.

8.2 km

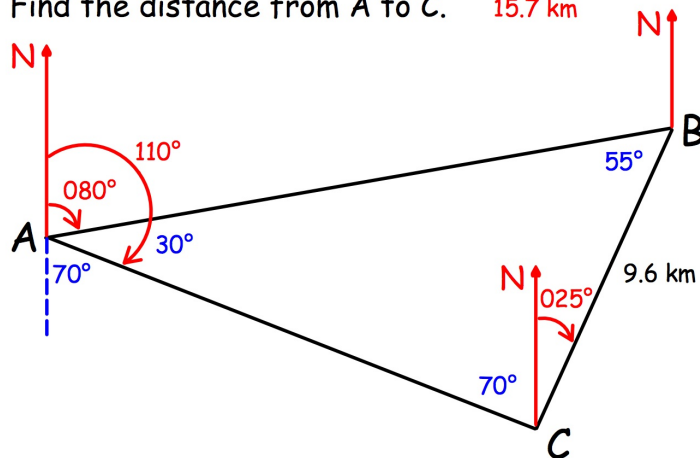


3. From A, B is on bearing 080° and C on bearing 110° . From C, B is on bearing 025° .

The distance between B and C is 9.6 km.

Find the distance from A to C.

15.7 km

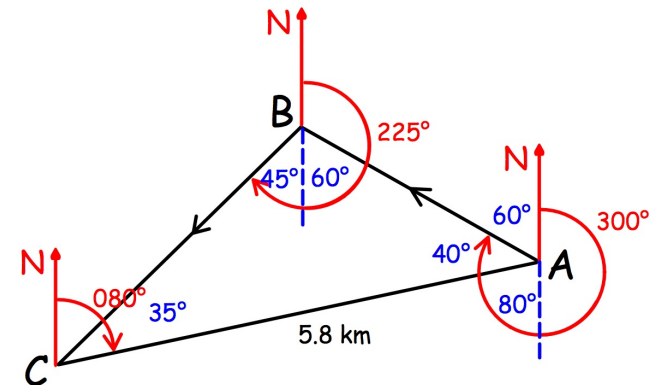


4. A ship travels from A to B on bearing 300° , then from B to C on bearing 225° .

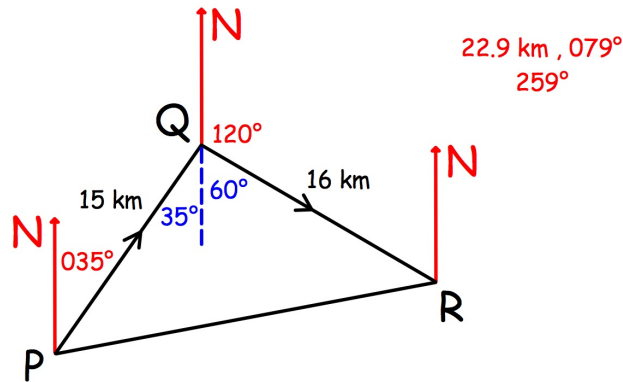
A is then 5.8 km from C on bearing 080° .

Find the distance from A to B.

3.4 km

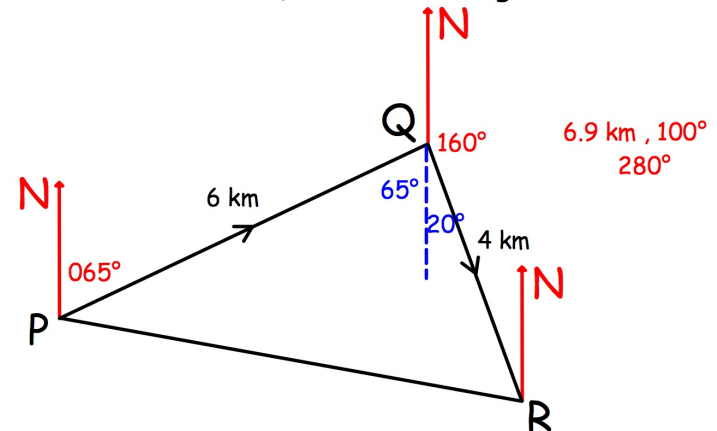


5. A ship travels 15 km from P to Q on bearing 035°, then 16 km from Q to R on bearing 120°.



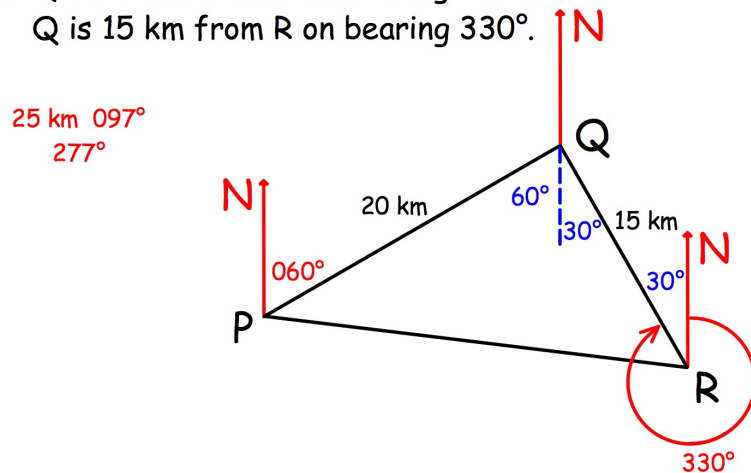
Find the distance and bearing of R from P, and hence find the back-bearing, P from R.

6. A ship travels 6 km from P to Q on bearing 065°, then 4 km from Q to R on bearing 160°.



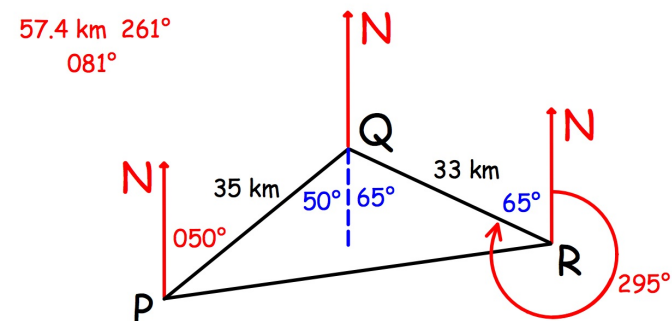
Find the distance and bearing of R from P, and hence find the back-bearing, P from R.

7. Q is 20 km from P on bearing 060°. Q is 15 km from R on bearing 330°.



Find the distance and bearing of R from P, and hence find the back-bearing, P from R.

8. Q is 35 km from P on bearing 050°. Q is 33 km from R on bearing 295°.



Find the distance and bearing of P from R, and hence find the back-bearing, R from P.