

F Lent Bearings With Trigonometry

1. (a) The bearing of A from B is 095° . Find the bearing of B from A . 275°
(b) The bearing of X from Y is 209° . Find the bearing of Y from X . 029°
(c) The bearing of P from Q is 176° . Find the bearing of Q from P . 356°
(d) The bearing of A from B is 324° . Find the bearing of B from A . 144°
(e) The bearing of X from Y is 109° . Find the bearing of Y from X . 289°
(f) The bearing of P from Q is 006° . Find the bearing of Q from P . 186°
(g) The bearing of A from B is 301° . Find the bearing of B from A . 121°
(h) The bearing of X from Y is 144° . Find the bearing of Y from X . 324°
(i) The bearing of P from Q is 278° . Find the bearing of Q from P . 098°
2. A ship sails on a bearing of 040° for 5 km. It then sails on a bearing of 100° for 8 km. How far East of its original position is the ship? 11.1 km
3. A ship sails on a bearing of 320° for 6 km. It then sails on a bearing of 290° for 7 km. How far North of its original position is the ship? 6.99 km
4. A ship sails on a bearing of 166° for 7 km. It then sails on a bearing of 203° for 10 km. How far South of its original position is the ship? 16.0 km
5. A ship sails on a bearing of 083° for 4 km. It then sails on a bearing of 043° for 5 km. How far North of its original position is the ship? 4.14 km
6. A ship sails on a bearing of 051° for 9 km. It then sails on a bearing of 081° for 8 km. Find the bearing of the ship from its original position. 065.1°