

Answer on Question #46304 – Math – Trigonometry

Point P and Q are respectively 24m north and 7m east of point R. What is the bearing of Q and P to the nearest whole degree.

52⁰

164⁰

134⁰

159⁰

Solution.

The bearing of Q from P :

$$B = 180^0 - \arctan\left(\frac{RQ}{RP}\right) = 180^0 - \arctan\left(\frac{7}{24}\right) \approx 180^0 - 16^0 = 164^0 .$$