**9A The Cosine Rule**

1. A triangle has sides of 4cm, 5cm and 6cm respectively. Find the size of the smallest angle
2. Coastguard station B is 8km on a bearing of 060˚ from coastguard station A. A ship C is 4.8km, on a bearing of 018˚, away from A.
3. In the triangle below, PQ = xcm, QR = (x + 2)cm, RP = 5cm and angle PQR = 60˚. Find the value of x.

