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.