1. Prove that triangle QUT is isosceles.
Give all your reasons clearly.
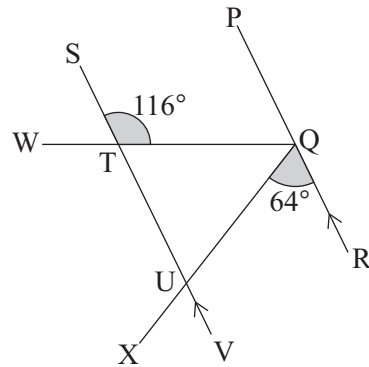
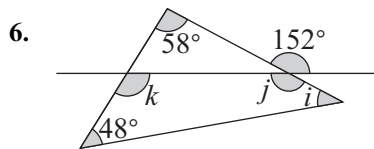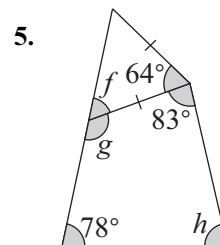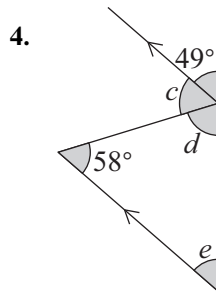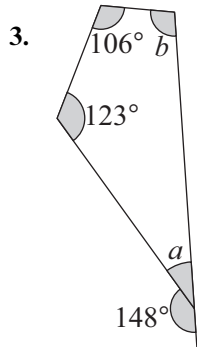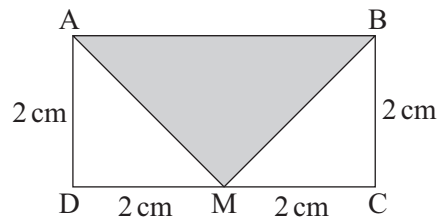**2.** Prove that the sum of the angles in a quadrilateral add up to 360°.
Give all your reasons clearly.

In questions **3** to **8**, find the angle marked with letters.

3.

4.

5.

6.

7.

8.

AB = AC
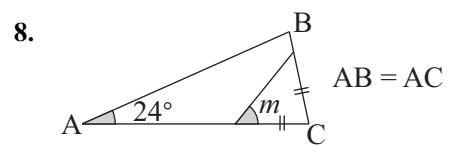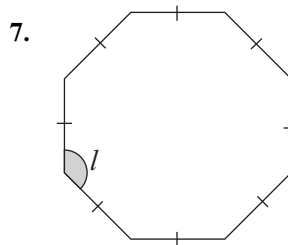
9. ABCD is a rectangle. Prove that triangle ABM is isosceles.
Give all your reasons clearly.

10. Prove that angle ADC = angle BAC.
Give all your reasons clearly.