Angle-Side-Angle (ASA) Triangle Construction

- 1. Construct a \triangle ABC in which $\angle A = 65^\circ$, $\angle B = 40^\circ$ and AB = 5 cm.
- 2. Construct a \triangle ABC in which \angle B = 75°, \angle C = 30°, and CA = 4.5 cm. [Find \angle A, i.e., \angle A = 180°- (\angle B + \angle C)]
- 3. Construct a \triangle PQR in which QR= 8 cm, \angle Q = 75° and \angle R = 45°. Measure PQ and PR.
- 4. Draw a triangle \triangle ABC, with $\angle A = 30^\circ$, $\angle B = 60^\circ$ and AB = 4 cm.
- 5. Draw a \triangle ABC in which AC = 6 cm \angle A = 90°, \angle B = 60°.
- 6. Draw a triangle \triangle ABC in which $\angle A = 45^\circ$, $\angle B = 60^\circ$ and AB = 6.4 cm.
- 7. Construct \triangle ABC, given m \angle A = 60°, m \angle B = 30° and AB = 5.8 cm.