Exercise 5.4

1. Draw a line segment AB = 6.4 cm and draw its perpendicular bisector.
2. Draw a line segment PQ of length 5 cm. Bisect it and find the length of its each part.
3. Draw a line segment of length 10 cm. Divide it into 4 equal parts and measure the length of each part.
4. With the help of the ruler and compasses only draw the following angles.

   (*i*) 60° (*ii*) 45° (*iii*) 30° (*iv*) 90° (*v*) 135° (*vi*) 150°

   (*vii*) 75° (*viii*) 120° (*ix*) $22\frac{1}{2}^\circ$ (*x*) $37\frac{1}{2}^\circ$ (*xi*) $67\frac{1}{2}^\circ$

5. (*i*) Construct an angle of 105°.

(*ii*) Construct an angle of 45° at the initial point of given ray and justify the construction.