

CLASS 9

11.CONSTRUCTIONS

1 EXERCISE 3

1. Draw an angle of 110° with the help of a protractor and bisect it. Measure each angle.
2. Draw a line segment AB of $4cm$ in length. Draw a line perpendicular to AB through A and B , respectively. Are these lines parallel?
3. Draw an angle of 80° with the help of a protractor. Then construct angles of
 - (a) 40°
 - (b) 160°
 - (c) 120°
4. Construct a triangle whose sides are $3.6cm$, $3.0cm$ and $4.8cm$. Bisect the smallest angle and measure each part.
5. Construct a triangle ABC in which $BC = 5cm$, $\angle B = 60^\circ$ and $AC + AB = 7.5cm$.
6. Construct a square of side $3cm$.
7. Construct a rectangle whose adjacent sides are of lengths $5cm$ and $3.5cm$.
8. Construct a rhombus whose side is of length $3.4cm$ and one of its angles is 45° .