

## CLASS 9

### 11. CONSTRUCTIONS

#### 1 EXERCISE 4

Construct each of the following and give justification :

1. A triangle if its perimeter is 10.4 cm and two angles are  $45^\circ$  and  $120^\circ$ .
2. A triangle  $PQR$  given that  $QR = 3\text{cm}$ ,  $\angle PQR = 45^\circ$  and  $QP - PR = 2\text{cm}$ .
3. A right triangle when one side is 3.5 cm and sum of other sides and the hypotenuse is 5.5 cm.
4. An equilateral triangle if its altitude is 3.2 cm.
5. A rhombus whose diagonals are 4 cm and 6 cm in lengths.