

Ch-10 Practical Geometry

1. Construct an angles of the following measures.
 90° , 45°
2. Construct an angles of the following measures.
 60° , 30° , 120°
3. Construct an angles of the following measures.
 75° , 105° , 135°
4. Draw a line segment XY, construct perpendicular bisector of it.
5. Draw a line AB. Take a point P outside it. Draw a line passing through P and parallel to AB, using ruler and compass only.
6. Let l be a line and P be a point 4 cm away from it. Draw a line m parallel to l through P. Now join P to any point Q on l .Take any other point S on m . Through S, draw a line SR parallel to PQ which meets l at R.
7. Construct a ΔABC in which $AB = 6$ cm, $BC = 4.5$ cm and $AC = 5.9$ cm. Construct an altitude from vertex A on side BC at D.
8. Construct a ΔPQR in which $PQ = 4$ cm, $PR = 5.2$ cm and $\angle P = 135^{\circ}$.Measure side QR. Which type of triangle is formed?
9. Construct a ΔABC in which $BC = 6.4$ cm, $\angle B = 45^{\circ}$ and $\angle C = 60^{\circ}$. Draw the bisectors of sides AB and BC .
10. Construct an isosceles right angled ΔABC where $m\angle C = 90^{\circ}$ and $AC = 8$ cm.

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