

VIII- Mathematics Assignment No-04- Practical Geometry

Construct the following constructions and write their steps of constructions.

- Q1. Construct a quadrilateral ABCD such that $AB = 4\text{ cm}$, $BC = 3\text{ cm}$, $AD = 3.5\text{ cm}$, diagonal $AC = 5\text{ cm}$ and diagonal $BD = 6\text{ cm}$.
- Q2. Construct a parallelogram ABCD such that $AB = 3.5\text{ cm}$, $BC = 5.5\text{ cm}$ and $\angle B = 75^\circ$.
- Q3. Construct a rectangle ABCD such that side $AD = 3\text{ cm}$ and diagonal $BD = 5\text{ cm}$.
- Q4. Construct a square ABCD such that length of one diagonal is 8 cm .
- Q5. Construct a rhombus PQRS such that one side is 5 cm and one angle 60° .