

VIII - Mathematics Assignment No-03 - Practical Geometry.

Construct the following constructions and write their steps of construction.

- Q1. Construct a quadrilateral ABCD such that  $AB = 5\text{cm}$ ,  $BC = 5\text{cm}$ ,  $\angle ABC = 80^\circ$ ,  $AD = 5.5\text{cm}$  and  $CD = 6\text{cm}$ .
- Q2. Construct a rhombus ABCD such that one side is  $5\text{cm}$  and one diagonal  $8\text{cm}$ .
- Q3. Construct a parallelogram PQRS such that  $PQ = 6\text{cm}$ ,  $PS = 5\text{cm}$  and the distance between parallel sides PQ and SR is  $4\text{cm}$ .
- Q4. Construct a square DEAR such that one of its side is  $5\text{cm}$ .
- Q5. Construct a rectangle ABCD such that  $AB = 4\text{cm}$  and Diagonal BD is  $5\text{cm}$ .
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