

LEVEL 6

MATHEMATICS

REVISION WORKSHEET 5

CHAPTER 12: GEOMETRICAL CONSTRUCTIONS

1. Draw a line segment AB of length 8cm. Construct its perpendicular bisector. Write the steps of construction.

2. Construct $\triangle PQR$ such that $PQ = 8.4\text{cm}$, $PR = 7.2\text{cm}$ and $QR = 9.8\text{cm}$. Write the steps of construction.

(i) Measure and write down the size of $\angle P$.

(ii) Construct the angle bisector of $\angle P$.

3. Construct a quadrilateral PQRS such that $PQ = 5.6\text{cm}$, $QR = 6.2\text{cm}$, $RS = 9.2\text{cm}$, $\hat{PQR} = 80^\circ$ and $\hat{QRS} = 95^\circ$. Write the steps of construction.

(i) Measure the length of PS.

(ii) Measure the size of $\angle PSR$