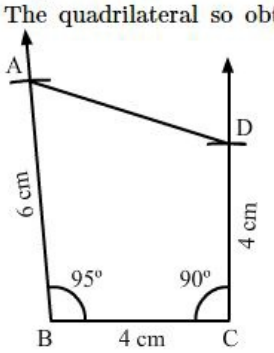
Practical Geomentry (constructions) Ex 18.4 Q1

Answer :

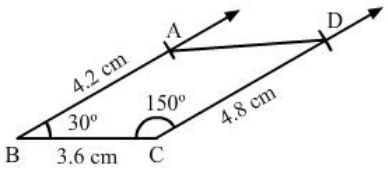
Steps of construction :
Step I : Draw BC = 4 cm.
Step II : Construct ∠ABC = 95° at B.
Step III : With B as the centre and radius 6 cm, cut off BA = 6 cm.
Step IV : Construct ∠BCD = 90° at C.
Step V : With C as the centre and radius 4 cm, cut off BA = 4 cm.
Step VI : Join CD.
The quadrilateral so obtained is the required quadrilateral.



Practical Geomentry (constructions) Ex 18.4 Q2

Answer :

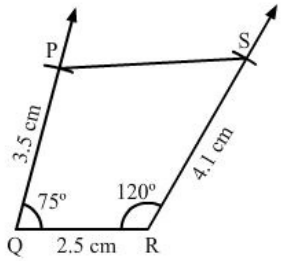
Steps of construction :
Step I : Draw BC = 3.6 cm.
Step II : Construct ∠ABC = 30° at B.
Step III : With B as the centre and radius 4.2 cm, cut off BA = 4.2 cm.
Step IV : Construct ∠BCD = 150° at C.
Step V : With C as the centre and radius 4.8 cm, cut off CD = 4.8 cm.
Step VI : Join AD.
The quadrilateral so obtained is the required quadrilateral.



Practical Geomentry (constructions) Ex 18.4 Q3

Answer :

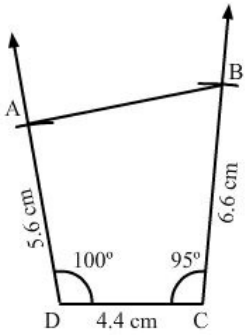
Steps of construction :
Step I : Draw $QR = 2.5$ cm.
Step II : Construct $\angle PQR = 75^\circ$ at Q.
Step III : With Q as the centre and radius 3.5 cm, cut off $QP = 3.5$ cm.
Step IV : Construct $\angle QRS = 120^\circ$ at R.
Step V : With R as the centre and radius 4.1 cm, cut off $RS = 4.1$ cm.
Step VI : Join PS
The quadrilateral so obtained is the required quadrilateral.



Practical Geomentry (constructions) Ex 18.4 Q4

Answer :

Steps of construction :
Step I : Draw $DC = 4.4$ cm.
Step II : Construct $\angle ADC = 100^\circ$ at D.
Step III : With D as the centre and radius 5.6 cm, cut off $DA = 5.6$ cm.
Step IV : Construct $\angle BCD = 95^\circ$ at C.
Step V : With C as the centre and radius 6.6 cm, cut off $CB = 6.6$ cm.
Step VI : Join AB.
The quadrilateral so obtained is the required quadrilateral.



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