



Practical Geomentry (constructions) Ex 18.3 Q1

Answer :

Steps of construction :

Step I : Draw $AB = 3.8$ cm.

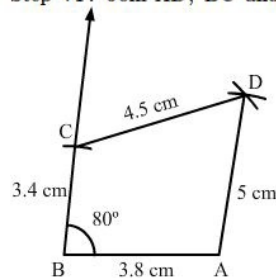
Step II : Construct $\angle ABC = 80^\circ$.

Step III : With B as the centre and radius 3.4 cm, cut off $BC = 3.4$ cm.

Step IV : With C as the centre and radius 4.5 cm, draw an arc.

Step V : With A as the centre and radius 5.3 cm, draw an arc to intersect the arc drawn in Step IV at D.

Step VI : Join AD , BC and CD to obtained the required quadrilateral.



Practical Geomentry (constructions) Ex 18.3 Q2

Answer :

Steps of Construction :

Step I : Draw $AB = 8$ cm.

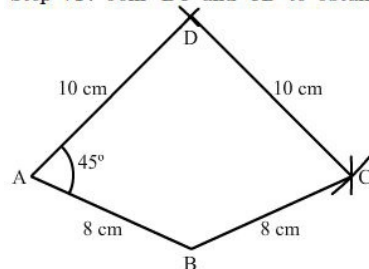
Step II : Construct $\angle BAD = 45^\circ$.

Step III : With A as the centre and radius 10 cm, cut off $AD = 10$ cm.

Step IV : With D as the centre and radius 10 cm, draw an arc.

Step V : With B as the centre and radius 8 cm, draw an arc to intersect the arc drawn in Step IV at C.

Step VI : Join BC and CD to obtained the required quadrilateral.



Practical Geomentry (constructions) Ex 18.3 Q3

Answer :

Steps of construction :

Step I : Draw $DC = 5.1$ cm.

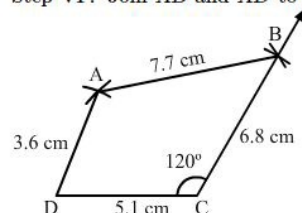
Step II : Construct $\angle DCB = 120^\circ$.

Step III : With C as the centre and radius 6.8 cm, cut off $BC = 6.8$ cm.

Step IV : With B as the centre and radius 7.7 cm, draw an arc.

Step V : With D as the centre and radius 3.6 cm, draw an arc to intersect the arc drawn in Step IV at A.

Step VI : Join AB and AD to obtained the required quadrilateral.



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