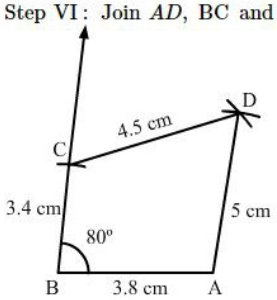
Practical Geomentry (constructions) Ex 18.3 Q1

Answer :

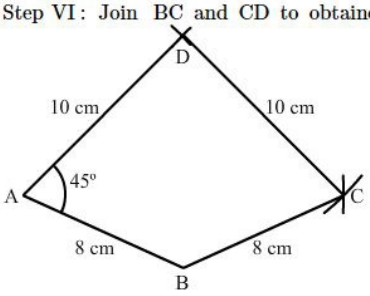
Steps of construction :
Step I : Draw AB = 3.8 cm.
Step II : Construct ∠ABC = 80°.
Step III : With B as the centre and radius 3.4 cm, cut off BC = 3.4 cm.
Step IV : With C as the centre and radius 4.5 cm, draw an arc.
Step V : With A as the centre and radius 5.3 cm, draw an arc to intersect the arc drawn 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 :

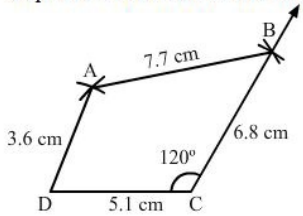
Steps of Construction :
Step I : Draw AB = 8 cm.
Step II : Construct ∠BAD = 45°.
Step III : With A as the centre and radius 10 cm, cut off AD = 10 cm.
Step IV : With D as the centre and radius 10 cm, draw an arc.
Step V : With B as the centre and radius 8 cm, draw an arc to intersect the arc drawn in 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 ∠DCB = 120°.
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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