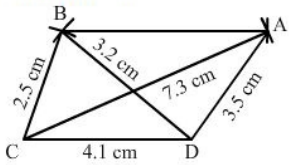
Practical Geomentry (constructions) Ex 18.2 Q4

Answer :

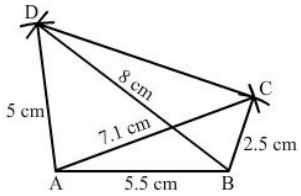
Steps of construction :
Step I : Draw CD = 4.1 cm.
Step II : With C as the centre and radius 7.3 cm, draw an arc.
Step III : With D as the centre and radius 3.5 cm, draw an arc to intersect the arc drawn in Step II at A.
Step IV : With D as the centre and radius 3.2 cm, draw an arc on the other side of AC.
Step V : With C as the centre and radius 2.5 cm, draw an arc to intersect the arc drawn in Step IV at B.
Step VI : Join BA, DA, BC and B*D* and AC to obtained the required quadrilateral.



Practical Geomentry (constructions) Ex 18.2 Q5

Answer :

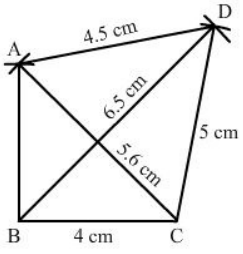
Steps of construction :
Step I : Draw AB = 5.5 cm.
Step II : With A as the centre and radius 7.1 cm, draw an arc.
Step III : With B as the centre and radius 2.5 cm, draw an arc to intersect the arc drawn in Step II at C.
Step IV : With B as the centre and radius 8 cm, draw an arc.
Step V : With A as the centre and radius 5 cm, draw an arc to intersect the arc drawn in Step IV at D.
Step VI : Join DA, DB, BC, AC and CD to obtained the required quadrilateral.



Practical Geomentry (constructions) Ex 18.2 Q6

Answer :

Steps of construction :
Step I : Draw BC = 4 cm.
Step II : With B as the centre and radius 6.5 cm, draw an arc.
Step III : With C as the centre and radius 5 cm, draw an arc to intersect the arc drawn in Step II at D.
Step IV : With C as the centre and radius 5.6 cm, draw an arc on the same side .
Step V : With D as the centre and radius 4.5 cm, draw an arc to intersect the arc drawn in Step IV at A.
Step VI : Join BA, AC, DA, BD and CD to obtained the required quadrilateral.



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