



Exercise 17A

Q1

Answer :

Steps of construction:

Step 1: Draw $AB = 4.2 \text{ cm}$

Step 2: With A as the centre and radius equal to 8 cm , draw an arc.

Step 3: With B as the centre and radius equal to 6 cm , draw another arc, cutting the previous arc at C.

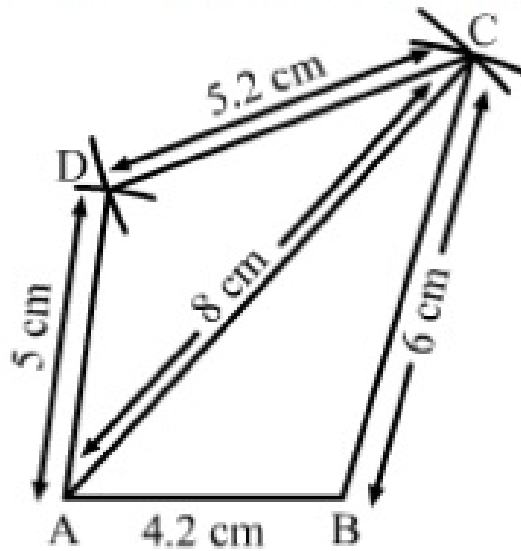
Step 4: Join BC.

Step 5: With A as the centre and radius equal to 5 cm , draw an arc.

Step 6: With C as the centre and radius equal to 5.2 cm , draw another arc, cutting the previous arc at D.

Step 7: Join AD and CD.

Thus, ABCD is the required quadrilateral.



Q2

Answer :

Steps of construction:

Step 1: Draw $PQ = 5.4 \text{ cm}$.

Step 2: With P as the centre and radius equal to 4 cm , draw an arc.

Step 3: With Q as the centre and radius equal to 4.6 cm , draw another arc, cutting the previous arc at R.

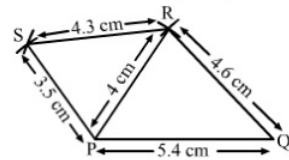
Step 4: Join QR.

Step 5: With P as the centre and radius equal to 3.5 cm , draw an arc.

Step 6: With R as the centre and radius equal to 4.3 cm , draw another arc, cutting the previous arc at S.

Step 7: Join PS and RS.

Thus, PQRS is the required quadrilateral.



Q3

Answer :

Steps of construction:

Step 1: Draw $AB = 3.5 \text{ cm}$.

Step 2: With B as the centre and radius equal to 5.6 cm , draw an arc.

Step 3: With A as the centre and radius equal to 4.5 cm , draw another arc, cutting the previous arc at D.

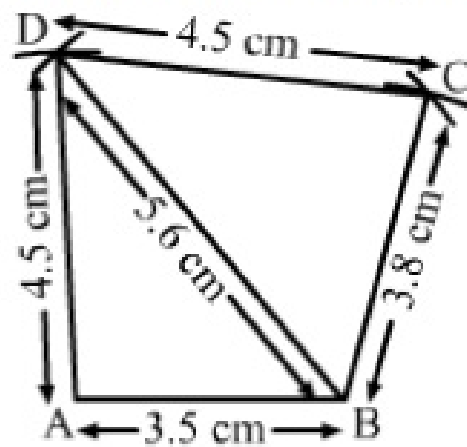
Step 4: Join BD and AD.

Step 5: With D as the centre and radius equal to 4.5 cm , draw an arc.

Step 6: With B as the centre and radius equal to 3.8 cm , draw another arc, cutting the previous arc at C.

Step 7: Join BC and CD.

Thus, ABCD is the required quadrilateral.



Q4

Answer :

Steps of construction:

Step 1: Draw $AB = 3.6 \text{ cm}$.

***** END *****