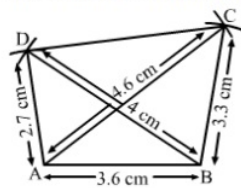




Exercise 17A

- Step 2: With B as the centre and radius equal to 4 cm, draw an arc.
 Step 3: With A as the centre and radius equal to 2.7 cm, draw another arc, cutting the previous arc at D.
 Step 4: Join BD and AD.
 Step 5: With A as the centre and radius equal to 4.6 cm, draw an arc.
 Step 6: With B as the centre and radius equal to 3.3 cm, draw another arc, cutting the previous arc at C.
 Step 7: Join AC, BC and CD.

Thus, ABCD is the required quadrilateral.



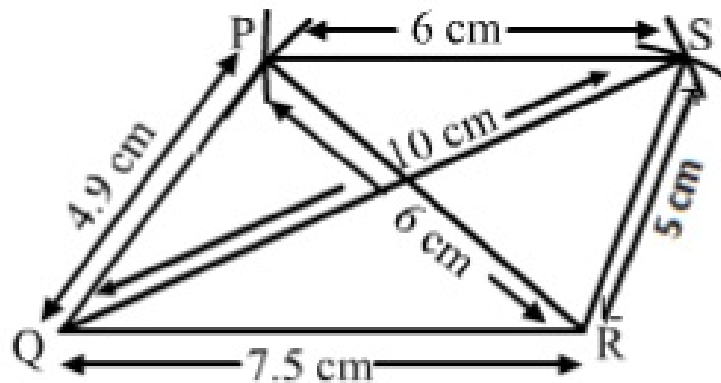
Q5

Answer :

Steps of construction:

- Step 1: Draw $QR = 7.5$ cm.
 Step 2: With Q as the centre and radius equal to 10 cm, draw an arc.
 Step 3: With R as the centre and radius equal to 5 cm, draw another arc, cutting the previous arc at S.
 Step 4: Join QS and RS.
 Step 5: With S as the centre and radius equal to 6 cm, draw an arc.
 Step 6: With R as the centre and radius equal to 6 cm, draw another arc, cutting the previous arc at P.
 Step 7: Join PS and PR.
 Step 8: $PQ = 4.9$ cm

Thus, PQRS is the required quadrilateral.



Q6

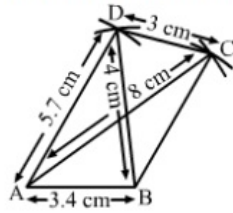
Answer :

Steps of construction:

- Step 1: Draw $AB = 3.4$ cm.

Step 2: With B as the centre and radius equal to 4 cm , draw an arc.
 Step 3: With A as the centre and radius equal to 5.7 cm , draw another arc, cutting the previous arc at D .
 Step 4: Join BD and AD .
 Step 5: With A as the centre and radius equal to 8 cm , draw an arc.
 Step 6: With D as the centre and radius equal to 3 cm , draw another arc, cutting the previous arc at C .
 Step 7: Join AC , CD and BC .

Thus, $ABCD$ is the required quadrilateral.

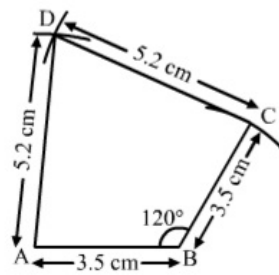


Q7

Answer :

Steps of construction:

Step 1: Draw $AB = 3.5\text{ cm}$.
 Step 2: Make $\angle ABC = 120^\circ$.
 Step 3: With B as the centre, draw an arc 3.5 cm and name that point C .
 Step 4: With C as the centre, draw an arc 5.2 cm .
 Step 5: With A as the centre, draw another arc 5.2 cm , cutting the previous arc at D .
 Step 6: Join CD and AD .
 Thus, $ABCD$ is the required quadrilateral.



Q8

Answer :

Steps of construction:

Step 1: Draw $AB = 2.9\text{ cm}$.
 Step 2: Make $\angle A = 70^\circ$.
 Step 3: With A as the centre, draw an arc of 3.4 cm . Name that point as D .
 Step 4: With D as the centre, draw an arc of 2.7 cm .
 Step 5: With B as the centre, draw an arc of 3.2 cm , cutting the previous arc at C .
 Step 6: Join CD and BC .
 Then, $ABCD$ is the required quadrilateral.

***** END *****