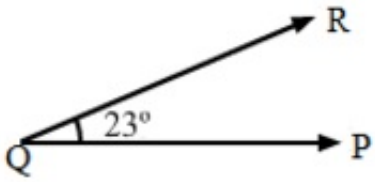
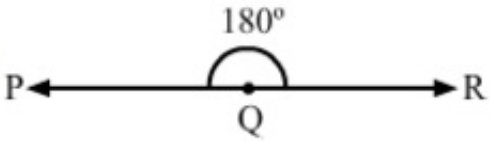
Exercise 13C

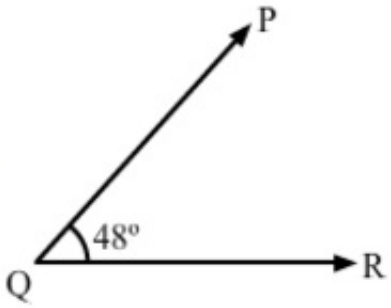
(vi)



(vii)



(viii)



Q3

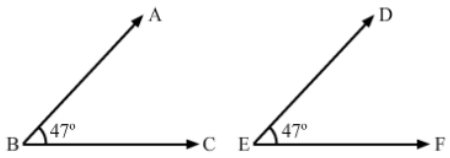
Answer :

We can see that $\angle ABC = 47^{\circ}$.

Steps to follow to construct angle ∠DEF equal to ∠ABC:

Draw a ray EF with E as the initial point.

Place the protractor on EF. With its centre at E, mark a point D against the angle 47° of the protractor.
Join DE. ∠DEF = 47° = ∠ABC is the required angle.

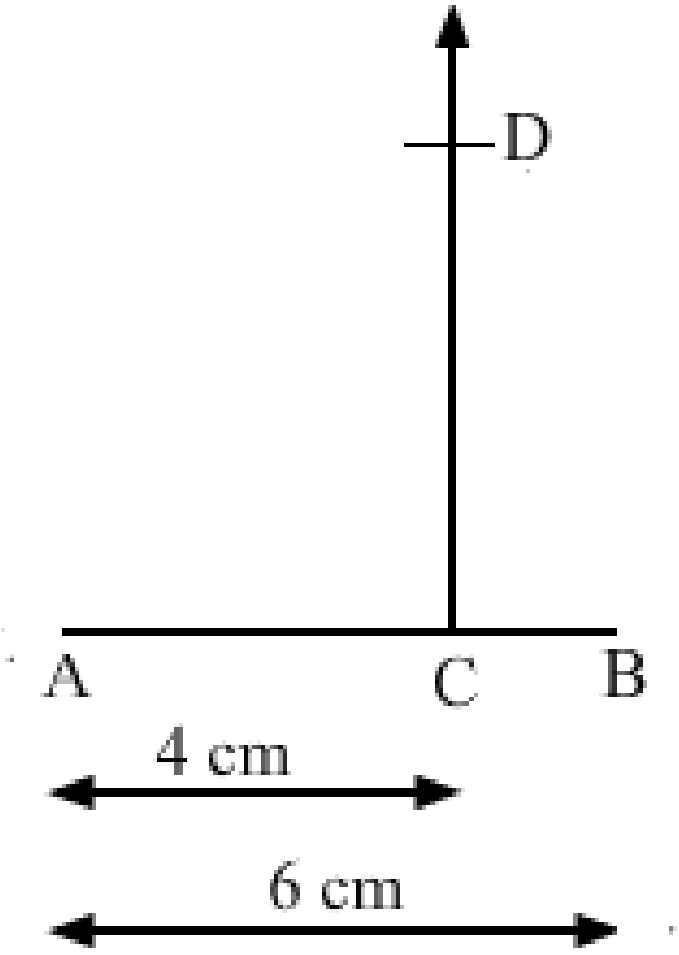


$\angle DEF = \angle ABC = 47°$

Q4

Answer :

Draw a line segment AB of length 6 cm.
Mark point C on AB such that AC is equal to 4 cm.
Place the protractor on AB such that the centre of the protractor is on C and its base lies along AB.
Holding the protractor, mark a point D on the paper against the 90° mark of the protractor.
Remove the protractor and draw a ray CD with C as the initial point.
Now, CD ⊥ AB



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