

23/10/2020  
FRIDAY

# MATHEMATICS

STD-X  
class-49

## Assignment

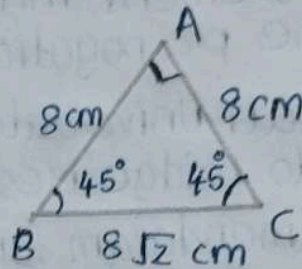
1) Find the other two sides of the triangle.

Ans) i)

$AC = 8 \text{ cm}$  (given)

$\therefore AB = \underline{8 \text{ cm}}$  (side opposite to  $45^\circ$ )

$\therefore BC = \underline{8\sqrt{2} \text{ cm}}$



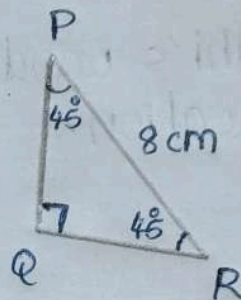
$\therefore$  Ratio of the sides =  $\underline{1:1:\sqrt{2}}$   
 $= 8:8:8\sqrt{2}$

ii)

$PR = 8 \text{ cm}$  (given)

$\therefore PQ = \underline{\frac{8}{\sqrt{2}} \text{ cm}}$

$QR = \underline{\frac{8}{\sqrt{2}} \text{ cm}}$



iii)

$AC = BC$  (given)

$AB = 7\sqrt{2} \text{ cm}$

$AC = 7 \text{ cm}$

$BC = 7 \text{ cm}$

