

CLASS 9 MATHS ASSIGNMENT

CHAPTER 18 TRIGONOMETRICAL RATIOS OF STANDARD ANGLES Continuation....

General direction for the students :-Whatever be the notes provided , everything must be copied in the Maths Copy and then do the Home work in the same Copy.

Exercise 18.1

17 i) Given $\sec\theta = \operatorname{cosec}\theta$

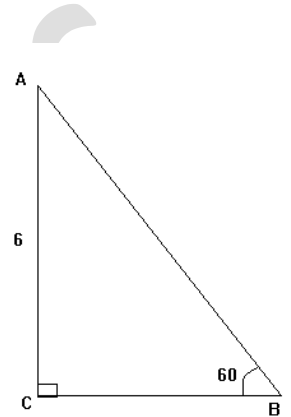
$$\Rightarrow \frac{1}{\cos\theta} = \frac{1}{\sin\theta}$$

$$\Rightarrow \frac{\sin\theta}{\cos\theta} = 1 \Rightarrow \tan\theta = 1 \Rightarrow \theta = 45$$

23.

$$\sin 60 = \frac{AC}{AB} \Rightarrow \frac{\sqrt{3}}{2} = \frac{6}{AB} \Rightarrow AB = 4\sqrt{3}$$

$$\tan 60 = \frac{AC}{BC} \Rightarrow \sqrt{3} = \frac{6}{BC} \Rightarrow BC = 2\sqrt{3}$$



**** For further explanation of above topic and more solutions , watch the video.

HOME WORK : Solve, left over questions from 11 to last, from the exercise.