

EduSahara™ Learning Center Assignment**Grade : Class IX, ICSE****Chapter : Trigonometrical Ratios****Name : Standard Trigonometric Ratios**

1. $\sin 60^\circ =$

(i) $\frac{1}{2}$ (ii) $\frac{4}{\sqrt{3}}$ (iii) $\frac{1}{2}\sqrt{6}$ (iv) $\frac{1}{2}\sqrt{\frac{1}{3}}$ (v) $\frac{3}{2}$

2. $\cos 0^\circ =$

(i) 2 (ii) 0 (iii) 1 (iv) (-2) (v) 4

3. $\tan 30^\circ =$

(i) $\frac{1}{3}$ (ii) $\sqrt{\frac{1}{3}}$ (iii) $\sqrt[4]{\frac{1}{3}}$ (iv) $\sqrt{\frac{-1}{3}}$ (v) 1

4. $\cot 30^\circ =$

(i) 3 (ii) $\sqrt{3}$ (iii) $\sqrt{\frac{1}{3}}$ (iv) $\sqrt{5}$ (v) $\frac{4}{\sqrt{3}}$

5. $\sec 60^\circ =$

(i) 2 (ii) 3 (iii) 1 (iv) (-1) (v) 4

6. $\operatorname{cosec} 45^\circ =$

(i) $\sqrt{2}$ (ii) $\sqrt{-1}$ (iii) $\sqrt[4]{2}$ (iv) $\sqrt{4}$ (v) 2

Assignment Key

- 1) (iii)
- 2) (iii)
- 3) (ii)
- 4) (ii)
- 5) (i)
- 6) (i)