

EduSahara™ Learning Center Assignment**Grade : Class X, SSC****Chapter : Trigonometry****Name : Standard Trigonometric Values**

1. $\sin 90^\circ =$

- (i) 2 (ii) 0 (iii) 3 (iv) 1 (v) (-1)
-

2. $\cos 30^\circ =$

- (i) $\frac{3}{2}$ (ii) $\frac{1}{2}\sqrt{3}$ (iii) $\frac{1}{2}\sqrt[4]{3}$ (iv) $\frac{1}{2}$ (v) $\frac{1}{2}\sqrt{5}$
-

3. $\tan 30^\circ =$

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

4. $\cot 30^\circ =$

- (i) $\sqrt[4]{3}$ (ii) 3 (iii) $\sqrt{6}$ (iv) 1 (v) $\sqrt{3}$
-

5. $\sec 60^\circ =$

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

6. $\operatorname{cosec} 60^\circ =$

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

7. $\sin 30^\circ =$

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

8. $\cos 0^\circ =$

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

9. $\tan 60^\circ =$

- (i) $\sqrt{3}$ (ii) $\sqrt{6}$ (iii) $\sqrt[4]{3}$ (iv) 1 (v) 3
-

10. $\cot 45^\circ =$

- (i) $-\frac{1}{2}$ (ii) $\frac{1}{4}$ (iii) 0 (iv) 2 (v) 1
-

11. $\sec 45^\circ =$

- (i) $\frac{4}{\sqrt{2}}$ (ii) $\sqrt{\frac{1}{2}}$ (iii) 2 (iv) $\sqrt{5}$ (v) $\sqrt{2}$
-

12. $\operatorname{cosec} 60^\circ =$

- (i) 2 (ii) $2\sqrt{\frac{1}{3}}$ (iii) $\frac{2}{3}$ (iv) $2\sqrt{\frac{-1}{3}}$ (v) $2\sqrt[4]{\frac{1}{3}}$
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Assignment Key

- 1) (iv)
- 2) (ii)
- 3) (i)
- 4) (v)
- 5) (iv)
- 6) (iv)
- 7) (iv)
- 8) (v)
- 9) (i)
- 10) (v)
- 11) (v)
- 12) (ii)