



1.  $\sin 45^\circ =$

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

2.  $\cos 90^\circ =$

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

3.  $\tan 30^\circ =$

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

4.  $\cot 45^\circ =$

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

5.  $\sec 60^\circ =$

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

6.  $\operatorname{cosec} 30^\circ =$

- (i) 3 (ii) 1 (iii) 5 (iv) 0 (v) 2

7.  $\sin 45^\circ =$

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

8.  $\cos 90^\circ =$

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

9.  $\tan 30^\circ =$

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

10.  $\cot 45^\circ =$

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

11.  $\sec 30^\circ =$

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

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

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

## Assignment Key

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