EduSahara™ Assignment

Name : Standard Trigonometric Ratios

Chapter : Trigonometrical Ratios

Grade : ICSE Grade IX

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1. $\sin 60° =$

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

2. $\cos 45° =$

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

3. $\tan 30° =$

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

4. $\cot 30° =$

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

5. $\sec 60° =$

   (i) 3 (ii) 0 (iii) 1 (iv) 4 (v) 2

6. $\operatorname{cosec} 60° =$

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

Assignment Key

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

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