

18. Trigonometry

Q. ID: ITISKILL6296MG

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Answer Key

Duration: 30 Mins

Total Marks: 8

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1. What is equal to $\cos \theta$?

- A) Opposite side/Hypotenuse
B) Adjacent Side/Hypotenuse
C) Hypotenuse/Opposite Side
D) Hypotenuse/Adjacent Side

Answer: B) Adjacent Side/Hypotenuse

2. How many degrees is equal to one radian?

- A) $(180)/(\pi)$
B) $(360)/(\pi)$
C) $(\pi)/(360)$
D) $(\pi)/(180)$

Answer: A) $(180)/(\pi)$

3. What is equal to $\tan \theta$?

- A) Opposite Side/Adjacent Side
B) Opposite Side/Hypotenuse
C) Adjacent side/Opposite side
D) Adjacent Side/Hypotenuse

Answer: A) Opposite Side/Adjacent Side

4. What is the value of $\tan \theta$ if $\sin \theta = 4/5$?

- A) $(5/3)$
B) $(4/3)$
C) $(4/5)$
D) $(3/4)$

Answer: B) $(4/3)$

5. What is the angle of elevation of the top of a light house of

15 m height seen at a point 15 m away from the base?

- A) 90 Degree
B) 45 Degree
C) 30 Degree
D) 60 Degree

Answer: B) 45 Degree

6. Which is equal to $\sin \theta$?

- A) Opposite Side/Hypotenuse
B) Hypotenuse/Opposite side
C) Hypotenuse/Adjacent side
D) Adjacent Side/Hypotenuse

Answer: A) Opposite Side/Hypotenuse

7. What is the height of the building if a ladder at 45 Degree touches the building placed 16 m from the base of the building?

- A) 15 m
B) 17 m
C) 18 m
D) 16 m

Answer: D) 16 m

8. What is the height of the wall where the ladder touches the wall if the ladder is 2.5 m long makes an angle of 60 Degree with the ground?

- A) 2.165 m
B) 4.23 m
C) 4.43 m
D) 4.13 m

Answer: A) 2.165 m