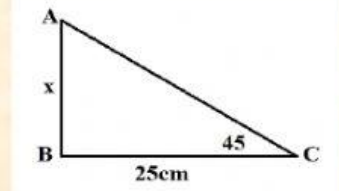


STUDENT NAME:

ಸಾರ್ವಜನಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ ರಾಮನಗರ
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ತ್ರಿಕೋನಮಿತಿ TRIGONOMETRY

SCHOOL NAME:

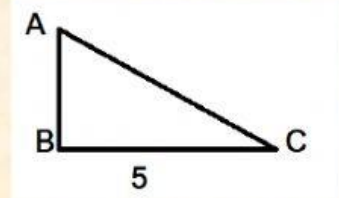
1. Which of the following is equal to $\sin \theta$
- A) $\frac{1}{\operatorname{cosec} \theta}$ B) $\frac{1}{\sec \theta}$ C) $\frac{1}{\tan \theta}$ D) $\frac{1}{\cot \theta}$



2. The value of x in the given figure.
- A) 50 cm B) 25 cm C) 90 cm D) 12.5 cm

3. If $\sin x = \frac{3}{5}$ then the value of 'cosec x ' is
- A) $\frac{3}{5}$ B) $\frac{5}{4}$ C) $\frac{4}{5}$ D) $\frac{5}{3}$

4. The ratio which represents $\tan A$ in the adjoining figure
- A) $\frac{AB}{BC}$ B) $\frac{BC}{AB}$ C) $\frac{AB}{AC}$ D) $\frac{BC}{AC}$



5. Which one of the following statements is correct
- A) $\tan 56 = \tan 65$ B) $\tan 56 = \cot 34$ C) $\tan 56 = \tan 34$ D) $\sin 56 = \operatorname{cosec} 56$

6. From a point 15m away from the foot of the wall, if the window makes an elevated angle of 45° , then the height of the window is
- A) 12m B) 30m C) 18m D) 15m

7. The value of $\sin^2 \theta + \cos^2 \theta$ is
- A) 1 B) 0 C) $\tan^2 \theta$ D) 2

8. The value of $\sin 30^\circ$ is...
- A) $\frac{\sqrt{3}}{2}$ B) $\sqrt{3}$ C) $\frac{1}{2}$ D) $\frac{1}{\sqrt{2}}$

9. Which one of the following statements is wrong
- A) $\sin^2 \theta + \cos^2 \theta = 1$ B) $1 + \tan^2 \theta = \sec^2 \theta$
C) $1 + \cot^2 \theta = \operatorname{cosec}^2 \theta$ D) $\sin^2 \theta + \operatorname{cosec}^2 \theta = 1$

10. The value of $\sec 70^\circ - \operatorname{cosec} 20^\circ$
- A) 1 B) $\frac{1}{2}$ C) 2 D) 0

1 A B C D

6 A B C D

2 A B C D

7 A B C D

3 A B C D

8 A B C D

4 A B C D

9 A B C D

5 A B C D

10 A B C D