# Worksheet: Introduction to Trigonometry

Uttar Pradesh State Board · Class 10 · Mathematics · 4 questions · 10 marks

Name: _____ Date: _____ Score: _____ / 10

**Q1.** If sin A = 3/5, find cos A. *[1 mark]*

**Q2.** What is tan 60°? *[1 mark]*

**Q3.** Prove: $(1 - \cos^2 \theta)(1 + \cot^2 \theta) = 1$. *[3 marks]*

**Q4.** If $5 \sin \theta = 3$, find the values of $\cos \theta$, $\tan \theta$, $\sec \theta$, $\operatorname{cosec} \theta$, $\cot \theta$. *[5 marks]*