# Worksheet: Introduction to Trigonometry

Bihar 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]*