

## Worksheet: Introduction to Trigonometry

Karnataka 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  $\tan 60^\circ$ ? [1 mark]

---

---

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

---

---

---