ZiloAcademy

✨ Grade 10 Maths — Finding Angles (Trig Equations) ✨

Name: Demo **Date:** 26/11/2026

1. In a right-angled triangle, the opposite side is 14 cm and the hypotenuse is 22 cm. Find θ to the nearest degree.

2. In a right-angled triangle, the opposite side is 8 cm and the hypotenuse is 18 cm. Find θ to the nearest degree.

3. In a right-angled triangle, the opposite side is 19 cm and the hypotenuse is 23 cm. Find θ to the nearest degree.

4. Solve for the acute angle θ: $\cos\theta = \sqrt{3}/2$ (degrees)

5. In a right-angled triangle, the opposite side is 3 cm and the hypotenuse is 26 cm. Find θ to the nearest degree.

6. In a right-angled triangle, the opposite side is 4 cm and the hypotenuse is 20 cm. Find θ to the nearest degree.

7. In a right-angled triangle, the opposite side is 13 cm and the adjacent side is 5 cm. Find θ to the nearest degree.

8. Solve for the acute angle θ: $\tan\theta = \sqrt{3}$ (degrees)

9. In a right-angled triangle, the opposite side is 5 cm and the adjacent side is 12 cm. Find θ to the nearest degree.

10. In a right-angled triangle, the opposite side is 17 cm and the hypotenuse is 19 cm. Find θ to the nearest degree.