TRIGONOMETRY · GRADE 11

Trigonometry · Grade 11

Some answers are exact values; others are rounded (calculator approximations).

Name _____ Date _____ Score _____ / 8

01 sin 60° = _____

02

Right triangle: ∠C = 90°, ∠A = 47°, c = 27. Find a ≈

_____

03

Right triangle: ∠C = 90°, ∠A = 26°, c = 15. Find a ≈

_____

04

Right triangle: ∠C = 90°, ∠A = 31°, c = 17. Find b ≈

_____

05 tan 60° = _____

06

Triangle ABC: a = 11, b = 12, ∠C = 25°. Find c (Cosine Law) ≈

_____

07 cos 82° ≈ _____

08 tan 39° ≈ _____

TRIGONOMETRY · GRADE 11

Trigonometry · Grade 11 (Answer Key)

Some answers are exact values; others are rounded (calculator approximations).

01 sin 60° = **√3/2**

02

Right triangle: ∠C = 90°, ∠A = 47°, c = 27. Find a ≈

19.7

03

Right triangle: ∠C = 90°, ∠A = 26°, c = 15. Find a ≈

6.6

04

Right triangle: ∠C = 90°, ∠A = 31°, c = 17. Find b ≈

14.6

05 tan 60° = **√3**

06

Triangle ABC: a = 11, b = 12, ∠C = 25°. Find c (Cosine Law) ≈

5.1

07 cos 82° ≈ **0.14**

08 tan 39° ≈ **0.81**