TRIGONOMETRY · GRADE 10

Trigonometry · Grade 10

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

Name _____ Date _____ Score _____ / 8

01

Right triangle: ∠C = 90°, a = 12, c = 20. Find ∠A ≈

_____

02 tan 45° = _____

03

Right triangle: ∠C = 90°, ∠A = 41°, c = 30. Find a ≈

_____

04 cos 30° = _____

05 sin 30° = _____

06

Right triangle: a = 12, b = 35, c = 37, ∠C = 90°. cos A =

_____

07

Right triangle: ∠C = 90°, ∠A = 55°, c = 27. Find b ≈

_____

08

Right triangle: ∠C = 90°, a = 6, c = 10. Find ∠A ≈

_____

TRIGONOMETRY · GRADE 10

Trigonometry · Grade 10 (Answer Key)

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

01

Right triangle: ∠C = 90°, a = 12, c = 20. Find ∠A ≈

36.9°

02 tan 45° = **1**

03

Right triangle: ∠C = 90°, ∠A = 41°, c = 30. Find a ≈

19.7

04 cos 30° = **√3/2**

05 sin 30° = **1/2**

06

Right triangle: a = 12, b = 35, c = 37, ∠C = 90°. cos A =

35/37

07

Right triangle: ∠C = 90°, ∠A = 55°, c = 27. Find b ≈

15.5

08

Right triangle: ∠C = 90°, a = 6, c = 10. Find ∠A ≈

36.9°