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°, b = 12, c = 13. Find ∠A ≈

02

Right triangle: ∠C = 90°, b = 16, c = 20. Find ∠A ≈

03

Right triangle: a = 8, b = 15, c = 17, ∠C = 90°. cos B =

04

Right triangle: ∠C = 90°, a = 9, c = 41. Find ∠A ≈

05

Triangle ABC: a = 13, b = 7, c = 13. Find ∠C (Cosine Law) ≈

06

Right triangle: ∠C = 90°, a = 3, c = 5. Find ∠A ≈

07

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

08

Triangle ABC: ∠A = 55°, ∠B = 40°, a = 17. Find c (Sine Law) ≈

TRIGONOMETRY · GRADE 10

Trigonometry · Grade 10 (Answer Key)

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

01

Right triangle: ∠C = 90°, b = 12, c = 13. Find ∠A ≈

22.6°

02

Right triangle: ∠C = 90°, b = 16, c = 20. Find ∠A ≈

36.9°

03

Right triangle: a = 8, b = 15, c = 17, ∠C = 90°. cos B =

8/17

04

Right triangle: ∠C = 90°, a = 9, c = 41. Find ∠A ≈

12.7°

05

Triangle ABC: a = 13, b = 7, c = 13. Find ∠C (Cosine Law) ≈

74.4°

06

Right triangle: ∠C = 90°, a = 3, c = 5. Find ∠A ≈

36.9°

07

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

12/37

08

Triangle ABC: ∠A = 55°, ∠B = 40°, a = 17. Find c (Sine Law) ≈

20.7