



Trigonometry · Grade 12

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

Name _____ Date _____ Score _____ / 8

01 $\cot 60^\circ =$ _____

02 $\sin 75^\circ \approx$ _____

03

Right triangle: $a = 7$, $b = 24$, $c = 25$, $\angle C = 90^\circ$. $\sin A =$

04

$\cos \theta = 0$, solve for θ ($0^\circ \leq \theta \leq 90^\circ$) =

05

Right triangle: $\angle C = 90^\circ$, $a = 12$, $c = 37$.
Find $\angle A \approx$

06

$\cos \theta = 1$, solve for θ ($0^\circ \leq \theta \leq 90^\circ$) =

07

Use a compound angle formula to find the exact value of $\sin 105^\circ$ (as $60^\circ + 45^\circ$) =

08 $\sin 79^\circ \approx$ _____