

Date: 17-4-2026

Grade 12 GEN

Lesson 9-2
trigonometric
functions of
General angles.

Objectives

Find values of
trigonometric
functions for
acute angles.



Mathematics

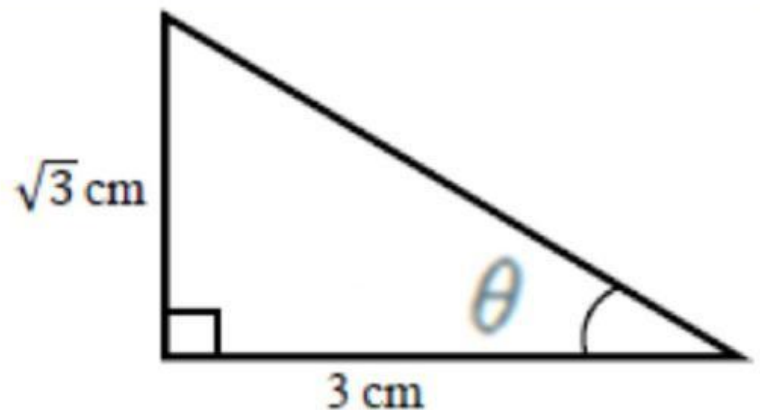
Module-8-

2025-2026

Trigonometric Functions



Exp-1-



opp

adj

hyp

The six trigonometric functions are given below:

$\sin \theta$	_____	$\cos \theta$	_____	$\tan \theta$	_____
$\csc \theta$	_____	$\sec \theta$	_____	$\cot \theta$	_____

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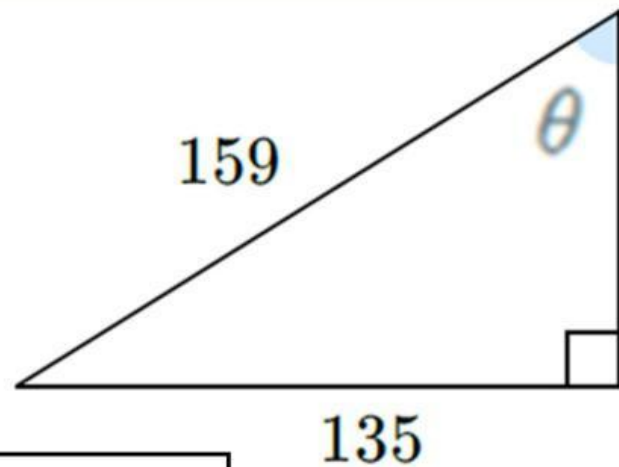
2025-2026

Mathematics

Trigonometric Functions



Exp- 2-



opp

adj

hyp

Find the exact values of the six trigonometric functions for angle θ .

$\sin \theta$	_____	$\cos \theta$	_____	$\tan \theta$	_____
$\csc \theta$	_____	$\sec \theta$	_____	$\cot \theta$	_____

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وزارة التربية والتعليم
Term-3

Module-8-

Mathematics

2025-2026

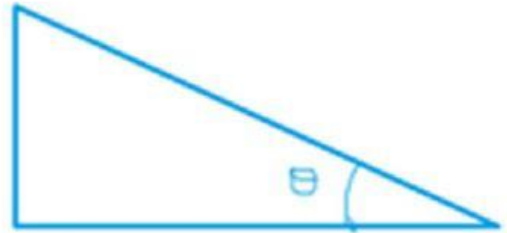
Trigonometric Functions



Exp-3-

$$\text{If } \tan \theta = \frac{60}{11}$$

find $\sin \theta$ and $\cos \theta$.



opp

adj

hyp

$\sin \theta$

$\cos \theta$

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وزارة التربية والتعليم
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Mathematics

2025-2026

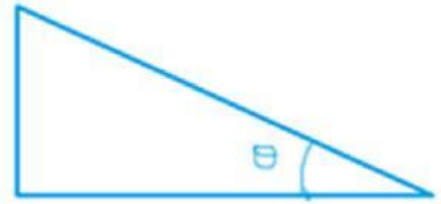
Trigonometric Functions



Exp- 4-

If $\sin \theta = \frac{32}{130}$

find $\cos \theta$ and $\tan \theta$



opp	
adj	
hyp	

$\cos \theta$		$\tan \theta$	
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