

Date: 10-4-2026

Grade 12 GEN

Lesson 9-1  
Angles and  
Angle Measure

### Objectives

- 1-Draw angles in standard position and identify coterminal angles.
- 2-convert between degree and radian and find arc lengths



وزارة التربية والتعليم  
Term-3

Module-8-

2025-2026

# Mathematics

## Trigonometric Functions



### Angles and angle measure.

- 1- Find an angle with a positive measure and an angle with a negative measure that are coterminal with a  $-50^\circ$  angle.

Positive angle:  Negative angle:

- 2 - Find an angle with a positive measure and an angle with a negative measure that are coterminal with a  $35^\circ$  angle.

Positive angle:  Negative angle:

- 3 - Find an angle with a positive measure and an angle with a negative measure that are coterminal with a  $\frac{2\pi}{5}$  angle.

Positive angle:   $\frac{\pi}{\text{input}}$  Negative angle:   $\frac{\pi}{\text{input}}$

- 4 - Find an angle with a positive measure and an angle with a negative measure that are coterminal with a  $-\frac{3\pi}{2}$  angle.

Positive angle:   $\frac{\pi}{\text{input}}$  Negative angle:   $\frac{\pi}{\text{input}}$