

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

Mathematics

Module-8-

2025-2026

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° 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° 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:

 π

Negative angle:

 π

- 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:

 π

Negative angle:

 π