

Trigonometry Chapter 4 Objectives

Part I

- Find the area of the sector of the circle
- Draw the angle and determine the quadrant
- Find the linear speed
- Find the radian measure of the central angle
- Evaluate the trigonometric function without using a calculator
- Evaluate the trigonometric function using a calculator
- Determine the exact value of a function
- Use the given function values and the trigonometric identities to find the trigonometric functions
- Understand the angle of elevation and depression
- Find a reference angle

Part II

- Determine the period and amplitude of a trig equation
- Given the graph sketch the graph without the use of a graphing utility
- Use a graphing utility to graph the functions
- Find a and d for the function
- Match graphs with the functions
- Distinguish between even and odd functions
- Evaluate a trig function without a calculator
- Use a calculator to evaluate a function
- Write an inverse function
- Evaluate a function using inverse properties
- Find the exact value of an inverse function
- Determine the value of side of a right triangle
- Understand the angle of elevation and depression
- Apply inverse functions to solve problems