

Summary Chapter 8: Periodic Functions

Algebra and Trigonometry from OpenStax, a free and open online.

Section 1:

Terminology

- Amplitude
- Period

Be Able To

- Understand and graph $f(x) = \sin x$
- Understand and graph $f(x) = \cos x$

Section 2:

Terminology

No additional definitions

Be Able To

- Understand and graph $f(x) = \tan x$
- Understand and graph $f(x) = \cot x$
- Understand and graph $f(x) = \csc x$
- Understand and graph $f(x) = \sec x$

Section 3:

Terminology

No additional definitions

Be Able To

- Understand and use the inverse sine function
- Understand and use the inverse cosine function
- Understand and use the inverse tangent function
- Use a calculator to evaluate inverse trigonometric functions
- Find exact values of composite functions with inverse trigonometric function
- Solve a right triangle
- Solve problems
- **Apply the concepts:** Reference page 687 problems 53 - 62