# Textbook Assignment #3: Control Flow, Data Types, and Subroutines

**Issued:** Wednesday, November 13
**Due:**    Wednesday, December 4

## Purpose

This assignment asks you to think about control structures, types, procedures, and functions.

Be careful to answer all of an exercise's questions.

## Textbook Exercises

Exercise 6.1 (page 279): Associativity versus commutativity.

Exercise 6.2 (page 280): Unary versus binary.

Exercise 6.12 (page 281): Short-circuit evaluation.

Exercise 6.23 (page 283): Mid-test loops.

Exercise 6.24 (page 283): Gotos.

Exercise 7.1 (page 373): Type equivalence.

Exercise 7.2 (page 373): More type equivalence.

Exercise 7.5 (page 374): Endianess and zero.

Exercise 7.8 (page 375): Alignment.

Exercise 7.17 (page 377): Arrays.

Exercise 8.3 (page 440): Argument evaluation order.

Exercise 8.4 (page 440): C portability.

Exercise 8.6 (page 440): Parameter passing. Explain the four results.

Exercise 8.9 (page 441): Fortran parameter passing.