



# Chapter 2: Problem Solving Using C++

# Homework Assignment 1

## 1. Question 1 in the Exercises 2.1 on the page 53

(Practice) State whether the following are valid function names and if so, whether they're mnemonic names that convey some idea of the function's purpose. If they are invalid names, state why.

power	density	m1234	newamp	1234	abcd
total	tangent	absval	computed	b34a	34ab
volts\$	a2B3	while	minVal	sine	\$sine
cosine	speed	netdistance	sum	return	stack

## 2. Question 1 in the Exercises 2.3 on the page 69

(Practice) Determine data types appropriate for the following data:

- The average of four grades
- The number of days in a month
- The length of the Golden Gate Bridge
- The numbers in a state lottery
- The distance from Brooklyn, NY to Newark, NJ
- The single-character prefix that specifies a component type