CHAPTER 3 - CALCULATIONS AND DATA OUTPUT

3.1

The Pyhton math operators are

+ (addition)

- (subtraction)

\* (multiplication)

/ (division)

// (integer division)

% (remainder)

\*\* (exponent)

3.2

Precedence uses PEMDAS

Double (or higher) exponentiation is performed right to left

3.3

Operators must be explicit

3.4

The format function has two arguments:

1. The number to be formatted

2. The format specifier:

’.xf’ formats to x floating point numbers,

‘.x%’ formats to a percentage with x decimals

‘,d’ formats commas as thousands separators

3.5

The sum function calculates the sum of a list of elements indicated in square or round brackets and separated by commas

The pow function calculates the elevation of a number to a power written after a comma

The abs function calculates the absolute value of a number

The round function rounds a floating-point number to the decimal digit written after the comma

The max and min functions return the maximum and minimum value of list of values (separated by commas), a tuple of values (i.e. in square brackets separated by commas) or a string

The standard library is a set of additional modules that are installed together with Python to perform specific tasks, but are not immediately active

To import a module use the import command followed by the module name

To use a function within a downloaded module use modulename.functionname

To have a list of all functions contained in module use dir(modulename)

To have a list of all Python bulit-in functions type dir(\_\_builtins\_\_) with 2 underscores before and after builitins