Only trailing parameters of a function can have default values. Some examples are:

```
void foo(int i, int j = 7);

void goo(int i = 3, int j = 7);

void hoo(int i, int j = 2, int k = 3);

void moo(int i = 1, int j = 2, int k = 3);

void moo(int i = 1, int j = 2, int k);

void moo(int i = 1, int j = 2, int k);
```

3.6 Functions as Arguments

Functions in C++ can be thought of as the address of the compiled code residing in memory. They are therefore a form of pointer (see Section 3.11, "Pointer Types," on page 85), and can be passed as a pointer-value argument into another function. Using this idea, we write code that will print n values of a function starting at some initial value using a specific increment. This form of plotting function can be useful to generate a map of a function that will later be used to find properties of the function, such as its root.

In file root.cpp