

Add the appropriate lines of code to complete this program. You may be interested in the following equation:

$$C = \frac{5(F - 32)}{9}$$

```
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      double degreeF;
8      double degreeC;
9      cout << "Enter a temperature in degrees Fahrenheit: ";
10     cin >> degreeF;
11
12     degreeC =
13
14
15
16     cout << degreeF << " degrees Fahrenheit = " << degreeC << " degrees Celsius\n";
17
18     return 0;
19 }
```

Indicate what the following program will display:

```
#include <iostream>
2 #include <string>

4 using namespace std;

6 int main()
  {
8   string question = "What do you get someone who has everything for Christmas?";
   string word = question.substr(2,15);
10  cout << 'Q' << word << "Q\n";
   int i;
12  for(i=0; i<word.size(); ++i) {
       cout << i;
14     ++i;
   }
16  cout << endl << i << endl;

18  string answer = "A faulty alarm system";

20  return 0;
  }
```

Write a program (include all code necessary to compile) that will continually ask the user to enter 8.89 until they enter it correctly. Once the number has been entered successfully, your program should thank the user and exit.

Sample program interaction:

```
Please enter 8.89: 1.2
Please enter 8.89: 8.8
Please enter 8.89: 8.89
Thank you!
```

Recall that the `rand()` function returns pseudorandom integer value between 0 and `RAND_MAX`.

(a) Write a function prototype for a function that takes in a floating point value, `max`, and returns a pseudorandom floating point value in the range from 0.0 to `max`.

(b) Implement the function described in part (a).



Write a function that will take in an integer value, n . If n is between 1 and 50, it should display (in the console window) n of the lines below:

```
(1+1+1)*37 = 111
(2+2+2)*37 = 222
(3+3+3)*37 = 333
...
(10+10+10)*37 = 1110
...
(n+n+n)*37 = ...
```

The function should display nothing if n is negative or if $n > 50$.

Quiz 8



Name:

Briefly describe the final project that you will begin working on today.

Quiz 9



Name: _____

Write a function that will take in a vector of strings and send the last letter of each string to cout.