```
// CID:
// Degree: MSc Computing Science
// Module: 517 Object Oriented Design and Programming
//
// Add all of your code that pertains to question 2 to this file.
#include<iostream>
#include<string>
// The declarations of the class template 'vector' are below.
template <typename T> class vector {
 public:
   vector(); // constructor that creates an empty vector
    void push_back(const T& item); // adds item to the vector
    vector<T>::constant_iterator cbegin(); // returns constant iterator
    vector<T>::constant_iterator cend(); // returns constant iterator
    unsigned int size(); // returns the number of items
};
// Available helper functions that can be used
/* Returns a std::string that is comprised of the given symbol with the given
* length. E.g. makeErrorString('#', 3) returns the string: "###" */
std::string makeErrorString(char symbol, unsigned int length);
/* Returns a std::string of the given number with the given decimal places. It
 * also rounds numbers up or down as appropriate. E.g. numberToString(10.9, 0)
 * returns the string: "11" */
std::string numberToString(float number, unsigned int decimal_places);
/* Add your code below this line. */
// Question a
// Question b
int main() {
}
```