

Quiz 4 Functions

1. What is printed by the following code?

```
#include<iostream>
using namespace std;
double compute(double, int);
int main()
{
    double miles = 150.5;
    int roads = 3;
    double milesLeft;

    cout << "We traveled " << miles <<
         " on " << roads << " roads. " << endl;
    milesLeft = compute(miles, roads);
    cout << "Left to travel: " << milesLeft << endl;
    miles += 100;
    milesLeft = compute(miles, roads);
    cout << "Left to travel: " << milesLeft << endl;
    roads++;
    cout << "We traveled " << miles <<
         " on " << roads << " roads. " << endl;
    system("PAUSE");
    return 0;
}
double compute(double m, int r)
{
    r++;
    if (m > 200 || r > 6)
        return 100;
    else if (m > 100 || r > 4)
        return 200;
    else
        return 300;
}
```

