Quiz 2

Wed Oct 5

You have up to 20 minutes. Please write your answers on this page, and your name at the top. You may not use the computer, notes, or books.

1. Which of the following statements prints exactly this text, as shown:

```
We the
PEOPLE
```

Select all that apply.

    a. `cout << "We the PEOPLE" << endl;`
    b. `cout << "We the" << "endl" << "PEOPLE" << "endl";`
    c. `cout << "We" << " the" << endl << "PEOPLE" << endl;`
    d. `cout << "We the" << endl << "PEOPLE" << endl;`
    e. `cout << "WE the" << endl << "people";`

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2. Given a variable `maxDays = 14`, which statement prints 14?

    a. `cout >> maxDays;`
    b. `cout << maxDays;`
    c. `cout << "maxDays";`
    d. `print maxDays;`

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3. Circle and describe any syntax errors in this program:

```cpp
#include <iostream>
using namespace;
INT main( )
{
    int score = 100;
    cout << 'Hello world.' << endl
    cout < score < '%';
    return 0;
}
```

4. Below is a simple C++ program containing a calculation and some output. What would it output when you run it?

```cpp
#include <iostream>
using namespace std;
int main()
{
    int lisa = 8;
    int bart = lisa + 2;
    int maggie = bart - 7;
    cout << maggie << ", " << bart << lisa << endl;
    return 0;
}
```

5. The following program uses a variety of arithmetic operators and mathematical functions. What does it output? You can write each line of output to the right of the corresponding endl.

```cpp
#include <iostream>
#include <cmath>
using namespace std;
int main()
{
    cout << 9 / 2            << endl; // _____
    cout << 7 / 2.0          << endl; // _____
    cout << 17 % 2           << endl; // _____
    cout << 31 % 7           << endl; // _____
    cout << pow(3,3)         << endl; // _____
    cout << sqrt(25)         << endl; // _____
    cout << floor(9.8)       << endl; // _____
    cout << sqrt(pow(2,4))+1 << endl; // _____
    return 0;
}
```