CISP 360: Problem Set #1

3. How may the int variables months, days, and years be defined in one statement, with months initialized to 2 and years initialized to 3?

4. Write assignment statements that perform the following operations with the variables a, b, and c.

A) Adds 2 to a and stores the result in b.

B) Multiplies b times 4 and stores the result in a.

C) Divides a by 3.14 and stores the result in b.

D) Subtracts 8 from b and stores the result in a.

E) Stores the value 27 in a.

F) Stores the character ‘K’ in c.

G) Stores the ASCII code for ‘B’ in c.

7. Modify the following program so it prints two blank lines between each line of text.

#include <iostream>

using namespace std;

int main()

{

cout << "Two mandolins like creatures in the";

cout << "dark";

cout << "Creating the agony of ecstasy.";

cout << " - George Barker";

return 0;

}

8. What will the following program print on the screen?

#include <iostream>

using namespace std;

int main()

{

cout << "Be careful\n";

cout << "This might/n be a trick ";

cout << "question\n";

return 0;

}

27. Convert the following pseudocode to C++ code. Be sure to define the appropriate variables.

Store 20 in the speed variable.

Store 10 in the time variable.

Multiply speed by time and store the result in the distance variable.

Display the contents of the distance variable.