

Part I:

1. False - The actual parameter is in the calling statement
2. False - They are indeterminate loops
3. False -  $i = 1$  is the initializing list
4. False - It is passed by reference because an ampersand sign is used

Part II:

1. `int twoD[5][4];`

2.

```
double num = 0.0;
double runningTotal = 0.0;
while(num != -99)
{
    cout << "Enter a value between $0 to $10.00. (Enter -99 to exit). ";
    cin >> num;
    if(num != -99)
    {
        runningTotal = runningTotal + num;
    } // end for
} // end while
cout << "The total value of your money is " << runningTotal << endl;
```

3.

```
int num = 1;
for(int j=0; j<12; j++)
{
    cout << num << endl;
    num = num * 2;
} // end for
```

4.

```
double discriminant( double a, double b, double c)
{
    double value = 0.0;
    double first = 0.0;
    first = pow(b,2);
    value = first - (4 * a * c);
    return value;
} // end of discriminant
```

5.

```

int divisible2(int num)
{
    int value = 0;
    int check = 0;
    check = num % 2;
    if(check == 0)
    {
        value = 1;
    }
    else
    {
        value = 0;
    }
    return value;
} // end of divisible2

```

6.

```
#include <iostream.h>
```

```

int main()
{
    int table[2][4] = {1, 32, 87, 45, 2, 0, 98,4};
    int max = 0;
    int row = 0;
    int col = 0;

    for(int i = 0; i < 2; i++)
    {
        for( int j = 0; j < 4; j++)
        {
            if(table[i][j] > max)
            {
                max = table[i][j];
                row = i;
                col = j;
            } // end if
        } // end for
    } // end for

    cout << "The largest value is " << max << "." << endl;
    cout << "It is located at " << "[" << row << "]"[" << col << "]" << endl;

    return 0;
}

```

7.

```

#include <iostream.h>
int main()
{
    int num1 = 0;
    int num2 = 1;
    int sum = 0;

    for(int j = 0; j < 3; j++)
    {
        sum = num1 + num2;
        cout << num1 << endl;
        cout << num2 << endl;
        cout << sum << endl;
        num1 = num2 + sum;
        num2 = num1 + sum;
        if(j == 2)
        {
            cout << num1 << endl;
        } // end of if
    } // end of for

    return 0;
} //end of main

```

8.

```

#include <iostream.h>
int main()
{
    int num = 0;
    int numArray[5] = {0};
    int value = 0;
    int i = 0;
    int j = 0;
    cout << "Enter a number between 1 - 32000. ";
    cin >> num;
    do
    {
        if (j == 4)
        {
            numArray[i] = num;
        } // end of if

        if(j < 4)
        {
            value = num % 10;
            numArray[i] = value;

```

```

    }// end of if

    if(j < 4)
    {
        num = num / 10;
    }// end of if

    i++;
    j++;
}
while(j < 5); // end of do

cout << "The new value is ";
for(int k = 0; k < 5; k++)
{
    cout << numArray[k];
} // end of for

cout << endl;

return 0;
} // end of main

```

or

```

#include <iostream.h>

int main()
{
    int num = 0;
    int stripped = 0;
    cout<<"input a number"<<endl;
    cin>>num;

    do
    {
        stripped = num % 10;
        cout << stripped;
        num = num / 10 ;
    }
    while (num>=1);

    return 0;
} //endofmain

```