

Name: _____

Block: _____ Date: _____

Unit 4: Test Review

Answer the following for questions 1-4:

1. What is a loop used for?

2. A While Loop runs until _____.
3. Define the following:
 - a. Loop control variable:
 - b. Count Variable:
 - c. Initialize:

4. What are the two ways of ending a loop?

Write the code for each of the following for questions 5-7:

5. Write a loop to print the numbers: 1, 2, 3, ...20

6. Write a loop to print the numbers: 30, 31, 32,45. What did you have to do to c to get this one to work?

7. Write a loop to print the numbers: 5, 10, 15, 20...45. What did you have to do to c to get this one to work?

What is output by each of the following for questions 8-10?

8.

```
x = 1
while (x < 5):
    print (x)
    x = x + 1
```

9.

```
x = 1
while (x < 5):
    x = x + 1
    print (x)
```

10.

```
x = 10
while (x > 5):
    print (x)
    x = x - 1
```