

# Chapter 5 WS 4 for Loop

page 1 of 1

Pts: 10

Name \_\_\_\_\_

class hour \_\_\_\_\_

I. Answer the following:

1) How many iterations does the following **for** loop execute? (1 pt) 1) \_\_\_\_\_  
**for** (**int** count = 0; count <= 10; count++)  
doThis( );  
a) 1 b) 10 c) 11 d) none e) more than 11

2) How many iterations does the following **for** loop execute? (1 pt) 2) \_\_\_\_\_  
(count is of type **int**.)  
**for** (count = 11; count <= 10; count--)  
doThis( );  
a) 1 b) 10 c) 11 d) none e) more than 11

3) How many iterations does the following **for** loop execute? (1 pt) 3) \_\_\_\_\_  
(count is of type **int**.)  
**for** (count = 0; count <= 10; count--)  
doThis( );  
a) 1 b) 10 c) 11 d) none e) more than 11

4) Write the heading (the first line) of a **for** statement whose loop control variable **x** starts at 1, increments (steps) by 1, and does 100 iterations of the loop: (2 pts)

\_\_\_\_\_

5) Write the heading (the first line) of a **for** statement whose loop control variable **y** starts at 50, decrements (steps) by -2, and stops the loop when **y** reaches 10: (2 pts)

\_\_\_\_\_

6) Rewrite the entire following **while** loop as a **for** loop that contains all 3 statements needed to make it loop in the parenthesis after the **for**. (3 pts)

```
int sum = 0;  
int count = -10;  
while (count <= 10)  
{  
    sum = sum + count;  
    count++;  
}
```

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_