Quiz Cl

Chapter 9 Loops

04/16/2020

N.T.		
Name:		

1. How many times will the following loop execute before completing? (1 points)

```
number = 1
while number<=5
disp('Hello')
end</pre>
```

- a. 0
- b. 1
- c. 5
- d. 10
- e. infinite
- 2. **True or False**: Loops will always execute faster than any vectorized operation. (1 points)
- 3. What is the difference between a "while" loop and a "for" loop? (4 points)
- 4. What is the difference between a "break" and a "continue" statement? (4 points)
- 5. Write a MATLAB script to: (10 points)
 - Create a for loop to iterate over the multiples of 3, from 0 to 100.
 - Inside the for loop, check if each number is even or odd (hint: use rem()).
 - Display the number, and then display whether it is even or odd to the screen.

Extra Credit: write a program that uses a while loop to build a vector of the multiples of 4 from 0 to 200. Display the resulting vector. (5 points)