All your work is to be done on the exam. Be sure to write your name on each page of the exam.

1. (20 points) Complete the following function that counts and returns the number of periods in a string s used as the parameter until the first digit is encountered. If the string is ”a.b.g.4d2f.”, the method returns 3 since there are three periods in the string before the appearance of the first digit.

```python
def count(s):
    n = 0 #initializes the counter

    for c in ______:
        if__________________:
            ____________
        if______________________:
            n = _____________

    return n
```

2. (20 points) Write a function `returnWord(s)` that returns the word consisting of the first three lowercase letters in the string s which is the parameter of the function. Hint: use concatenation and the if statement. For example in “a2caf6gefg3hij”, aca is the word returned. Assume there are at least 3 lowercase letters in the string.
Name

3. (20 points) How many times are the following loops executed?

(a) for j in range(5, 6):
    print(j)

(b) for j in range(10, 1, -1):
    print(j)

(c) for c in "1234":
    print(c)

(d) for j in 'abcdef':
    print(j)

(e) j = 0
    while j < 5:
        j = j + 3
        print(j)

4. (20 points) Write a program that reads a string of digits that includes one decimal point from an input statement. Your program should print in what place the decimal point appears. So for instance for the input '1264.867', your program would print 5.
5. (20 points) Write a method `number(num)` that returns the number of digits in an integer `num`, the parameter. This is a very simple program.