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 uppercase letter is encountered. If the string is "a.b.g.AZ2df.", the method returns 3 since there are three periods in the string before the appearance of the first uppercase letter.

```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 string consisting of the first five digits in the string $s$ which is the parameter of the function. Hint: use concatenation and the if statement. For example in “a2caf676g6efg3hij”, ’26766’ is the string returned. Assume there are at least 5 digits in the string.
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 method number(num) that returns the number of digits in an integer num, the parameter. This is a very simple program.