Your final score is circled in green. Below are the solutions for Versions A and B of Exam #1 along with the regrading policy.

1 Regrading Policy

If there are any grading errors related to your exam, you must notify me in writing by October 17, 2011. After October 17th, no changes to exam grades will be considered. Below, are the steps that you must follow if you want your exam regraded.

1. Write a formal statement that specifies clearly the error in question.
2. Attach your statement to your exam.
3. During class or office hours, give me your statement along with your exam to reconsider.

Finally, if your grading error is related to wanting to receive more partial credit (on question 7 for example), then your exam will be returned back to you. However, if there is an actual error (e.g., a correct solution is marked incorrect, your exam score is not tallied correctly), then please follow the above steps to have your exam regraded.

2 Exam #1 — Version A

1. 5 free points for having your name on the exam.

2.
   a) False
   b) True
   c) False
   d) False
   e) True

3.
   a) #1, #2, #3, #4, #5, #6, #7
   b) p
   c) eeee
d) pomegr

e) etanargemop

f) r

g) megranate

4.

a) int, while, if, elif, else, print (any 3 of these would be correct answers)

b) #1, #2, #3, #4, #6, #7, #10, #3, #11, #12

c) result is 4

d) int_value is 3

e) result is 0

5.

a) 500

b) 501 - 1000

c) \( \log_2(1000) \) or 10 guesses would be required.

d) 1 guess

e) The range is 50 numbers. So, \( \log_2(50) \) or 6 guesses would be required.

6.

a) for, in, print

b) list

c) integer

d) H
   I
   Q
   F
   A

e) Q
Listing 1: q7.py

```python
import random

num_ints = int(raw_input("How many random integers?: "))

list_ints = [0] * num_ints

for i in range(0, num_ints):
    list_ints[i] = random.randint(0, 100)

print "initial list:", list_ints

for i in range(0, num_ints):
    if list_ints[i] % 2 == 0:
        list_ints[i] += 1

print "final list:", list_ints
```

3 Exam #1 – Version B Solutions

1. 5 free points for having your name on the exam.

2.
   a) False
   b) True
   c) False
   d) False
   e) True

3.
   a) #1, #2, #3, #4, #5, #6, #7
   b) c
   c) eeeee
   d) cantal
   e) epuolatnac
   f) l
   g) ntaloupe

4.
   a) int, while, if, elif, else, print (any 3 of these would be correct answers)
   b) #1, #2, #3, #4, #6, #7, #10, #3, #4, #6, #8, #9, #10, #3, #11, #12
   c) result is 6
d) int_value is -1

5.

a) 500
b) 501 - 1000
c) log_2(1000) or 10 guesses would be required.
d) 1 guess
e) The range is 50 numbers. So, log_2(50) or 6 guesses would be required.

6.

a) for, in, print
b) list
c) integer
d) N
   O
   Z
   T
   C
e) Z

7.

Listing 2: q7.py

```python
import random

num_ints = int(input("How many random integers?: "))

list_ints = [0] * num_ints

for i in range(0, num_ints):
    list_ints[i] = random.randint(0, 100)

print("initial list:", list_ints)

for i in range(0, num_ints):
    if list_ints[i] % 2 == 0:
        list_ints[i] += 1

print("final list:", list_ints)
```