Total 60 pts

CS 120 Fall 2016 (MORE PRACTICE) QUIZ 2: While Loop NAME: SOLUTION

*Look at the following code fragment and answer questions Q1-Q3 below based on this code:

```
// Loop 1
int k = 0;
while ( k < 156 ) { k++; }
System.out.println(" k = " + k );</pre>
```

Q1. How many times will the body of the loop be executed? _____

Q2. How many times will the condition of the loop be checked?

 \mathbb{Q}^{0} Q3. What is the value of the variable "k" that gets printed to the console window in the last line?

*Look at the following code fragment and answer questions Q4-Q6 below based on this code:

Q4. How many times will the body of the loop be executed?

Q5. How many times will the condition of the loop be checked?

Q6 Show everything that gets printed to the console window by the code above:

$$k = 1$$

 $K = 2$
 $K = 4$
 $K = 8$
 $K = 16$
 $K = 32$
 $K = 64$

60 pts total

CS 120 Fall 2016 (MORE PRACTICE) QUIZZ: While Loop NAME: SOLUTION

*Look at the following code fragment and answer questions Q1-Q3 below based on this code:

```
// Loop 1
int k = 0;
while ( k < 156 ) { k++; }
System.out.println(" k = " + k);
```

Q1. How many times will the body of the loop be executed? 156

10 62. How many times will the condition of the loop be checked? 157

Q3. What is the value of the variable "k" that gets printed to the console window in the last line? $\frac{156}{}$

*Look at the following code fragment and answer questions Q4-Q6 below based on this code:

```
1/ Loop 2 See other side of this solution, IF int k = 0; you changed this line to "int k = 1;"
         System.out.println(" k = " + k );
  }
```

Q4. How many times will the body of the loop be executed? Infinite

10 PQ5. How many times will the condition of the loop be checked? Infinity

(3)

100 PQ6 Show everything that gets printed to the console window by the code above: