For Loop Practice

1. How many times does the following loop execute,
   
   ```java
   int counter = 1;
   
   for (counter = 1; counter < 10; counter += 2) {
     // do something
   }
   ```

2. Write down the exact output of the following loop.
   
   ```java
   for (int i = 5; i > -1; i -= 3) {
     System.out.println(i + "\t");
   }
   ```

3. How many times does this loop execute?
   
   ```java
   for (int i = 10; i <= 20; i *= 2) {
     System.out.println(i);
   }
   ```
   
   a. 1 2 3 4 5  
   b. 2  
   c. Does not execute  
   d. 12345  
   e. None of the above  

4. Write down the exact output of the following loop.
   
   ```java
   for (int i = 1; i <= 4; i++) {
     if (i % 2 == 1) {
       System.out.print(i);
     }
   }
   ```

6. Write the exact output of this loop:
   
   ```java
   for (int j = 4; j > 0; j--) {
     // integer division. Think about the answer.
     System.out.println((j / 2) + "\t");
   }
   ```

7. How many times does this loop execute?

   How many times does the following loop execute,
   
   ```java
   int counter = 1;
   
   for (counter = 10; counter <= 10; counter -= 5) {
     // do something
   }
   ```