Skim Section 14.14.1 in the Java Language Specification (as linked from the course home page) about `for` statements. Answer the following questions.

1. Which of the following are syntactically valid `BasicForStatements`? (The challenge here is just in the `for` statement itself, not in other parts of the language.)

   a. `for(int i = 0; i < 10; i++)
      System.out.println(i);`

   b. `for(int i = 0; ; )
      System.out.println(i);`

   c. `for( ; int j = 0; )
      System.out.println(j);`

   d. `for( ; ; )
      System.out.println("Hi there");`

   e. `for( ; ; i++) // assume i is in scope
      System.out.println(i);`

   f. `for(int i = 0, double j = 5.5; i < j; i++)
      System.out.println(i+j);`

   g. `for(i++, j++; i < j; i--) // assume i and j are in scope
      System.out.println(i+j)`

2. The first part of a `for` statement can include multiple expressions. What order are they executed in?

3. Is it possible to omit the loop condition? (This is the bit between the first and second semicolons.) What does it mean if you do?