Problem Set on For loops

1. (2 point) What integer will the following code segment print as output?

   ```
   for b in range(1, n, 2):
       print(b)
   ```

The next three questions refer to the following code segment:

```
for x in range(4):
    for y in range(2, 4):
        print (x , y)
```

2. (2 points) List the pairs of integers that would be included in the output from this code segment?

3. (2 points) How many total pairs of integers get printed from this code segment?

4. (2 points) What are the correct first pair and last pair of integers printed from this code segment?

The next three questions refer to the following code segment:

```
for x in range(4):
    for y in range(x, 4):
        print (x , y)
```

5. (2 points) Which of the following pairs of integers would be included in the output from this code segment?
   a. (0,0)
   b. (0,1)
   c. (1,0)
   d. (1,1)
   e. (0,4)
   f. (4,4)
   g. (3,0)
   h. (0,3)

        i.   (3,3)

6. (2 points) How many total pairs of integers get printed from this code segment?

7. (3 points) Does the inner loop reproduce the same results every iteration? Explain your answer.