1. What sequence of numbers are created by the following ranges ("no sequence" is possible)?

   1. range(4)  
   2. range(2, 4)  
   3. range(2, 8, 2)  
   4. range(10, 6, -1)  
   5. range(10, 6)

2. What is the output of the following code ("no output" or "error" are possible)?

   1. answer = 'a'
      result = answer != 'a' or answer != 'A'
      print(result)

   2. answer = 'a'
      result = answer != 'a' and answer != 'A'
      print(result)

   3. for i in range(3):
      if i == 1:
         break
      print(i)

   4. for i in range(3):
      if i == 1:
         continue
      print(i)

3. What is the output of the code below? Use the grid on the right to show the output.

   ```
   display = ''
   outer_end, inner_end = 4, 2
   for outer_num in range(outer_end):
      inner_num = 2
      while inner_num <= 4:
         if outer_num == 3:
            display += 'X'
         else:
            display += str(inner_num)
            inner_num += 2
      display += '\n'
   print(display)
   ```