Answer each question to the best of your ability. The last two questions are bonus.

1. Fill in the blank: By default, in Processing, the `setup` function is called once at the start and the __draw__ [1]
   function is called once per frame.

2. True or False: `random.random()` will return the same number every time. False [1]

3. Write a function called `mysum` that takes in two arguments, `num1` and `num2`, and returns their sum. [1]

   ```
   def mysum(num1, num2):
     result = num1 + num2
     return result
   ```
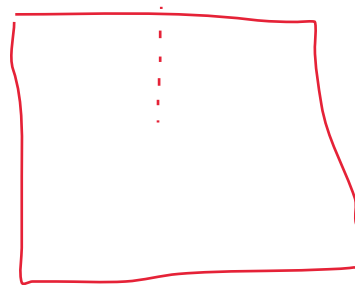
4. I wrote a Processing program with this draw function. What does it draw? You can use a diagram to [1]
   illustrate. Remember that `line(x1, y1, x2, y2)` draws a line from (x1, y1) to (x2, y2).

   ```
   def draw():
       line(0, 0, mouseX, mouseY)
   ```


5. I wrote this Processing program. What does it do? You can use a diagram to illustrate. Remember that [1]
   `point(x, y)` draws a 1-pixel point at position (x, y).

   ```
   framenum = 0
   def setup():
       size(400, 400)

   def draw():
       global framenum
       point(100, framenum)
       framenum += 1
   ```


6. (bonus) You notice your code has a bug. Name three things you can do to debug it. [1]

   Look up documentation, ask somebody for help, comment out suspicious code
   Use print, use debugger, read the error, google the error, check syntax and indentation
   Ask on stackoverflow, read tutorials, telling somebody about your problem
   stepping through the code

7. (bonus) I wrote the following code in my draw function to draw a horizontal dashed line (- - - - -), but [1]
   it's only giving me one dash (-). What's wrong with my code?

   ```
   x = 0
   delta = 5
   for i in range(5):
       line(x + delta, 100, x + 2*delta, 100)
       x += 20
   ```