

Quiz 4

Wed Nov 16

You have up to 25 minutes. You may use a standard calculator if necessary, but no text book, notes, or computer. **You may not type the program in to the Python IDLE environment.** You should be able to evaluate what the program does on your own. When we say “what is the output,” you should write just the result of the print statements, and label that as **output**. If you need to write other computations as scratch work, label that as **scratch**.

1. What is the output of the following Python program?

```
z1 = 10
z2 = 3
print(z2)
z2 = z2 + z1
if z2 > 5:
    print("wow")
print(z1)
```

2. What is the output of the following Python program?

```
xy = 5
zq = 3
print(xy*2)
if xy > 7:
    print("yes")
print(xy + zq)
print("xy")
```

3. Evaluate the following **prefix** expression. What result does it produce?

$$(* (+ 3 5) (- 6 2))$$

4. Evaluate the following **postfix** expression. What result does it produce?

$$4 1 2 + * 3 -$$

5. Convert the following **infix** expression to **postfix** notation:

$$3 * (8 + 2) - (6 + 1)$$