

Closed book, closed notes, log out of computer! Cheat sheet on reverse. Please write neatly!

1. Which of the following instructions in a recipe show why recipes can be an imperfect analogy for an algorithm in a Computer Science context? *Select all that apply.*

- ☐ Preheat oven to 350 F°
- ☐ Add 1 tsp of baking powder
- ☐ Season with salt and pepper
- ☐ Split mix into 2 equal portions
- ☐ Cook until softened

2. Write (in the box) the value of `c` after the code below executes?

```
b = 1
a = 4
c = a - b
# c = a + b
c + a
b = c + 1
```

3. Evaluate the following expressions and indicate if an error would occur, or if it is a valid Python expression, indicate what the value would be. Make the type of any values clear by showing quotes or decimal portions as relevant. 2/3 correct responses are required for full credit.

(a) `4 // 3 + 1`

(b) `"1" + "2" + 3`

(c) `"1" + "2" + "three"`