Practice Exam # 3
Tracing Sample Solutions

1) Scratch | Stack | Heap

Stack:
- main|| → [7, 2, 6, 1, 14, 12]
- a
- b → [7, 2, 6, 1]
- c
- item = 7 2 6 1

Note that
Item goes
on stack! →
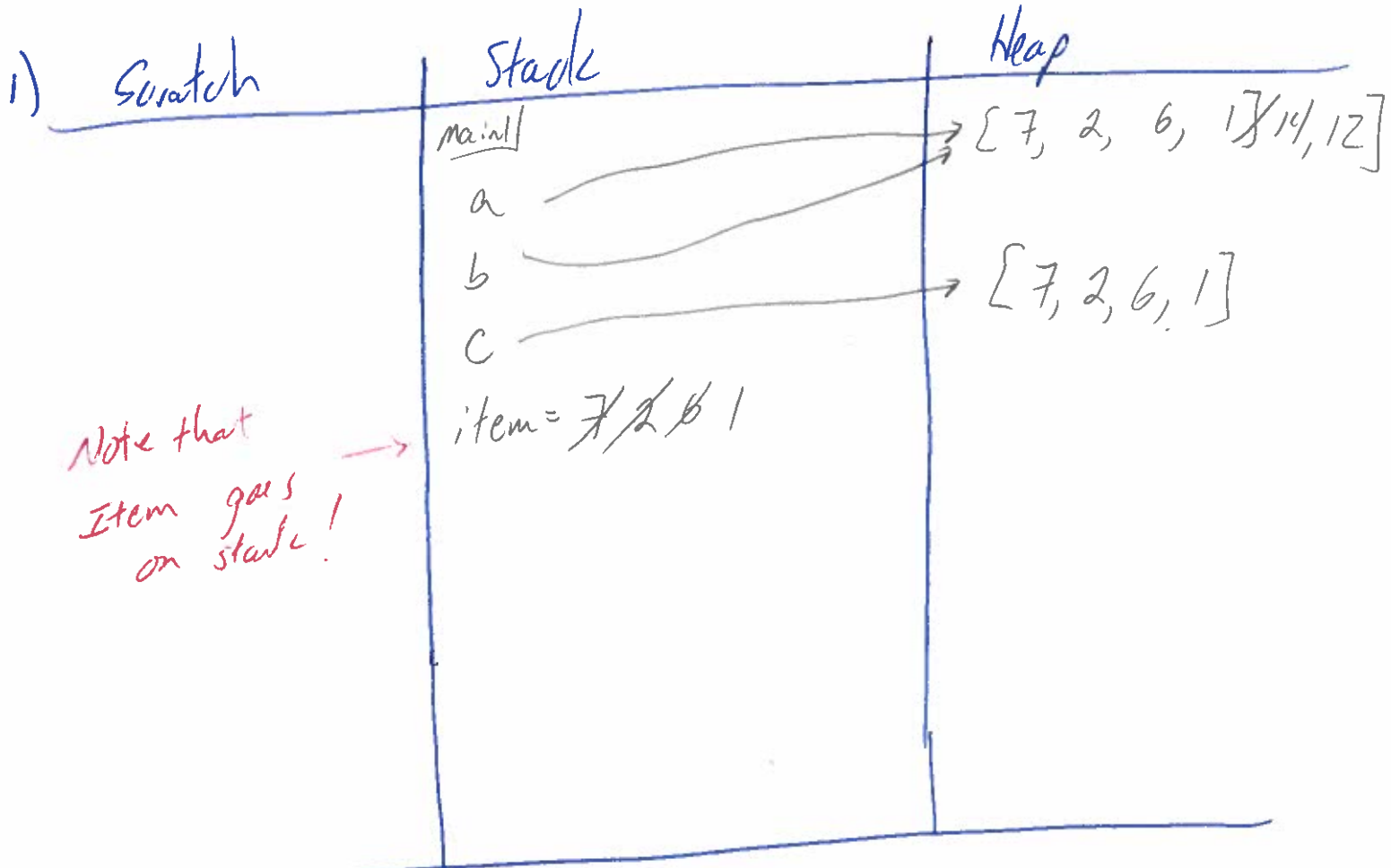
Printed Output
[7, 2, 6, 1, 14, 12]
[7, 2, 6, 1]

#2 Scratch

Stack	Heap

main2

lst ⟶ ['test', 'exam', 'ant', 'banana', 'smile']

d : ⟶ {} 'test':4, 'exam':0, 'ant':0, 'banana':0, 'smile':5}

item = 'test' 'exam' 'ant' 'banana' 'smile'

f[]
S= 'test'   4

f[]
s='exam'   0

f[]
s:'ant'   0

f[]
s: 'banana'   0

f[]
s='smile'   5

No a

No a

{ 'test': 4, 'exam': 0, 'ant': 0, 'banana': 0, 'smile': 5 }

3 Scratch | Stack | Heap

main3
your_list → [6, 17]

Z = 2
new_list

92
my_list | 2 → [X 17, 17]

9"
1st

9"
1st

92
my_list | 2

5"
1st

5"
1st

You MUST get these correct, in the right order!

Long!
2
[17,17]