1. Changing variable values

(a) Consider this code:

```
k = 5
```

Write an assignment statement that creates a new variable j that refers to three times k’s value:

```
j = 3 * k
```

(b) Consider this code:

```
x = 4
y = 5
x = 2
```

After the code above is executed, to which value does x refer? _____________________________

After the code above is executed, to which value does y refer? _____________________________

(c) Consider this code:

```
x = 4
y = x + 2
x = y + 1
```

After the code above is executed, to which value does x refer? _____________________________

After the code above is executed, to which value does y refer? _____________________________

2. Swapping variable values An extra exercise to try at home.

Assume that variables a and b have been assigned int values. Write code to swap which values a and b refer to: after your statements are executed, a should refer to the value that b used to refer to, and b should refer to the value that a used to refer to. Hint: use a third variable.

Once you have written the code, trace your code using the memory model to confirm that it correctly swaps the values: