## CSC108H Worksheet: Variable Assignment Statements

1. Changing variable values		
	(a)	Consider this code:
		k = 5
		Write an assignment statement that creates a new variable ${\tt j}$ that refers to three times ${\tt k}$ 's value:
	(b)	Consider this code:
		x = 4 $y = 5$ $x = 2$
		After the code above is executed, to which value does <b>x</b> 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 ${\tt x}$ refer?
		After the code above is executed, to which value does y refer?

## 2. Swapping variable values

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: