## CSC108H Winter 2023 Worksheet: Variable Assignment Statements

1.	Changing variable values		
	(a)	Suppose that you have evaluated some code that sets variable $\mathtt{k}$ to refer to some value. Write an assignment statement that creates a new variable $\mathtt{j}$ that refers to three times $\mathtt{k}$ '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 x refer?	
		After the code above is executed, to which value does y refer?	
2.	Swa	pping variable values An extra exercise to try at home.	
	b ref	ame that variables a and b have been assigned int values. Write code to swap which values a and er to: after your statements are executed, a should refer to the value that b used to refer to, and be ld refer to the value that a used to refer to. Hint: use a third variable.	
		e you have written the code, trace your code using the memory model to confirm that it correctly so the values:	