

**ENGINEER 1D04**  
**Engineering Computation**  
**McMaster University, Winter 2010**

**Lab 10 Marked Assignment 5 Solution**  
**Tuesday Lab**

Revised: 27 March 2010

**Correctness**

Vector 1	Vector 2	Difference
$(2, 3)$	$(-4, 5)$	$(6, -2)$
$(0, -1)$	$(3, 3)$	$(-3, -4)$

**Design Question**

The two instance fields of the class, `x` and `y`, are marked as **private** so that they cannot be accessed directly from outside the class.

**Testing Question**

No, if `scalarMultiple` and `sum` are known to work correctly, one only has to check that `difference` is defined correctly in term of these two methods.