| CSCI 3336 – Assignment #6 Completion: Required | | | Deadline: 1:30 pm on Feb 12, 2018 Submission: Required | |
|---|---------------|-------------|---|--|
| Last Name: | <u>Cabais</u> | First Name: | <u>Elyvic</u> | |

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1) Write down the result for each of the following LISP expressions as they are entered in the "same" CLISP environment:

```
LISP> (setf x '(6 4 1)): _______

LISP> (cons '(car x) '(2 3)): ______ ((car x) 2 3)
```

LISP> (cons (car x) '(2 3)) : _____((6) 2 3)

```
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Type :h and hit Enter for context help.

[1]> (setf x '(6 4 1))
(6 4 1)
[2]> (cons '(car x) '(2 3))
((CAR X) 2 3)
[3]> (cons (car x) '(2 3))
(6 2 3)
[4]>
```

2) a) Define a function F2 which accepts two lists of integers and returns another list in which each member is the absolute difference of the two respective members from the input lists. The length of the output list is the length of the shortest input list. Assume simple lists.