

Problem 2:

(a)

1. Not Equivalent
2. Not Equivalent
3. Not Equivalent
4. Not Equivalent
5. Equivalent

(b)

1. Illegal, Cannot prepend a list to a character.
2. Legal
3. Illegal, Cannot prepend a list to a list
4. Illegal, Cannot prepend a list to a list
5. Legal
6. Illegal, Cannot prepend a number to a character list

(c)

The tuple containing the list twice:
([3, 4, 7, 5, 8] , [3, 4, 7, 5, 8])

Problem 6: