Name _____

Mohawk Valley Community College
CI 132 Lab 19

Describe the actions performed and any output displayed by the following commands. Assume any referenced files exist and contain data. You may wish to create sample files in order to better visualize the actions being performed.

1. **`cat file1 | tr 'abc' 'ABC'`**

2. **`cat file1 | tr  'a-z'  'A-Z'`**

3. **`cat file1 | tr  'abc'  'd'`**

4. **`cat file1 | tr  'a'  'bcd'`**

5. **`cat file1 | tr  'a-c1-3'  'X'`**

6. `cat  file1 | tr  'ab'  'x'  | grep b`

Provide the command necessary to solve the following problems. The command string provided should be in its <u>simplest possible form</u> (don't use two commands where one will accomplish the task).

Complete questions 7-10 using the file **/opt/ci132/data/filter_examples/name_ssn** as input

7. Display only names from the file

8. Display only last names from the file, sorted by last name.

9. Redact all social security numbers. Display the contents of the file with all numbers in the output changed to the letter **X**

10. Remove the dash delimiter from the social security numbers. Display the file with all dashes (-) removed.