

## Regular Expressions Lab

Name \_\_\_\_\_

### Pre-Lab:

- Review the slides over regular expressions and workout the accompanying Handout
- Research on-line materials for the specifics of regular expressions and/or pattern matching in a language of your choice.

Deliverables: Construct regular expressions capable of manipulating strings.

**Provide snippets of code in the language of your choice to do the following making use of regular expressions. Assume you are working on one string name *line*.**

Replace all numbers in the string <i>line</i> with the letter X.	
Replace all white space at the beginning of the string <i>line</i> .	
Replace each word in <i>line</i> (assume words are separated by white space) with string 'WORD'.	
Remove all punctuation from the string <i>line</i> .	

Add the word 'FOO' at the beginning of the string <i>line</i> .	
Replace each occurrence of 'add', 'subtract' or 'multiply' in <i>line</i> with the word OP.	
Remove all vowels (both uppercase and lowercase) from the string <i>line</i> .	
Remove all characters after '// ' to the end of the string <i>line</i> .	

