

## Regular Expressions Worksheet

Write the regular expression that matches the corresponding string described in the problems below. Alphanumeric means an upper or lower case letter or digit.

a) Write the regular expression for a variable name in a programming language that must begin with an uppercase character, followed by any number of alphanumeric characters, underscores ('\_') or periods ('.'), but should always end with an alphanumeric character.

REGULAR EXPRESSION:

b) Write the regular expression for a file name which must begin with an alphabetical character, followed by up to six alphanumeric characters, followed by a dot and then exactly three letters, upper or lowercase.

REGULAR EXPRESSION:

c) Write the regular expression for all strings that begin with one or more instances of the letter 'a', followed by one or more numeric characters and ending with zero or more instances of the letter 'z'.

REGULAR EXPRESSION: