

Expression Worksheet

Problem 1: INFIX/POSTFIX/PREFIX - Convert the following infix expressions to prefix and postfix form, and draw the expression tree for each. Assume the normal Java operators and precedence rules.

a) $(a * b) + c$

PREFIX:

POSTFIX:

EXPRESSION TREE:

b) $a * b + c / d + 3$

PREFIX:

POSTFIX:

EXPRESSION TREE:

c) $a + 4 * (e + d / 2)$

PREFIX:

POSTFIX:

EXPRESSION TREE: