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: