

## CS 158 Homework on Infix, Postfix, and Prefix notation

1. Convert these INFIX expressions to PREFIX and POSTFIX :

a)  $A / B - C / D$

b)  $(A + B)^3 - C * D$

c)  $A ^ (B + C)$

2. Convert these PREFIX expressions to INFIX and POSTFIX :

a)  $+ - / A B C ^ D E$

b)  $- + D E / X Y$

c)  $^ + 2 3 - C D$

3. Convert these POSTFIX expressions to INFIX and PREFIX :

a)  $A B C + -$

b)  $G H + I J / *$

c)  $A B ^ C D + -$