

## Additional Practice Problem for Exam 2

1. (10 pts) Infix and postfix expressions.

a) (5 pts) Convert the following infix expression into postfix.

$$a * b / a ^ b ^ c + a * ((a - b) * ((a - b) * (b - c)) + 3)$$

Postfix:

b) (5 pts) Convert the following postfix expression into infix.

$$a b 2 / + y ^ x y * z + a 2 ^ / 3 + -$$

Infix: