

Quiz 4

Wed Nov 15

You have up to 25 minutes. You may use a standard calculator if necessary, but no text book, notes, or computer.

1. Evaluate the following **prefix** expression. What result does it produce?

$(- (* 3 (+ 1 7)) (+ 9 4))$

2. Evaluate the following **postfix** expression. What result does it produce?

$2\ 5\ 2\ +\ 4\ *\ 1\ -\ *$

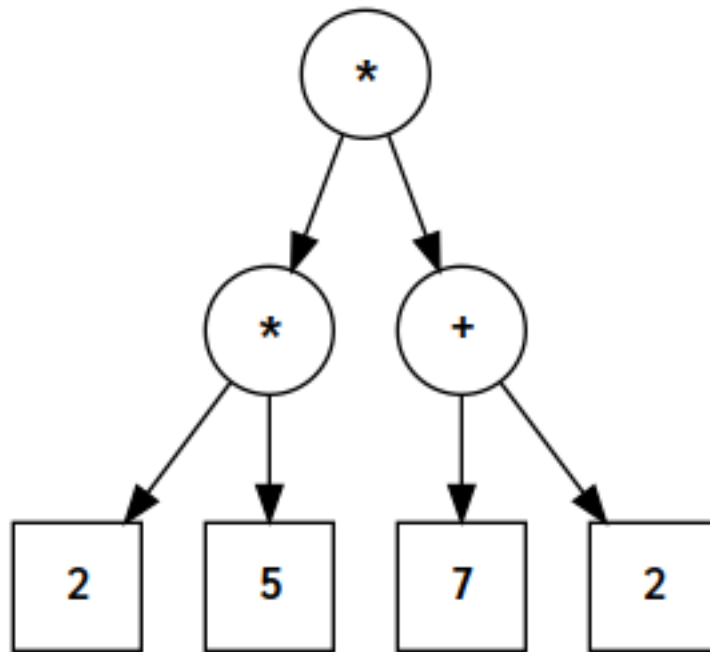


Figure 1:

4. Above is a tree representing an arithmetic expression. Write the corresponding expression in:

• **Prefix** notation: _____

• **Infix** notation: _____

3. Convert the following **infix** expression to **postfix** notation:

$$3 * (2 + 8) - (6 + 1)$$