# Answer for Chapter 7

October 21, 2018

## 1 Question 9

a. $a * b - 1 + c$
$(((a * b)^1 - 1)^2 + c)^3$

b. $a * (b - 1)/c \bmod d \bmod d$
$(((a * (b - 1)^1)^2/c)^3 \bmod d)^4$

c. $(a - b)/c$ & $(d * e/a - 3)$
$(((a - b)^1/c)^5$ & $(((d * e)^2/a)^3 - 3)^4)^6$

d. $-a$ or $c = d$ and $e$
$((-a)^1$ or $((c = d)^2$ and $e)^3)^4$

e. $a > b$ xor $c$ or $d <= 17$
$(((a > b)^1$ xor $c)^3$ or $(d <= 17)^2)^4$

f. $-a + b$
$(-(a + b)^1)^2$

# 2 Question 13

## 2.1 a. if the operands in the expressions are evaluated left to right?

$sum1 = 46$

$sum2 = 48$

## 2.2 b. if the operands in the expressions are evaluated right to left?

$sum1 = 48$

$sum2 = 46$

# 3 Question 19 (edition 11) or 20 (edition 10)

## 3.1 a. operands are evaluated left to right

$x = 7$

## 3.2 b. operands are evaluated right to left

$x = 12$