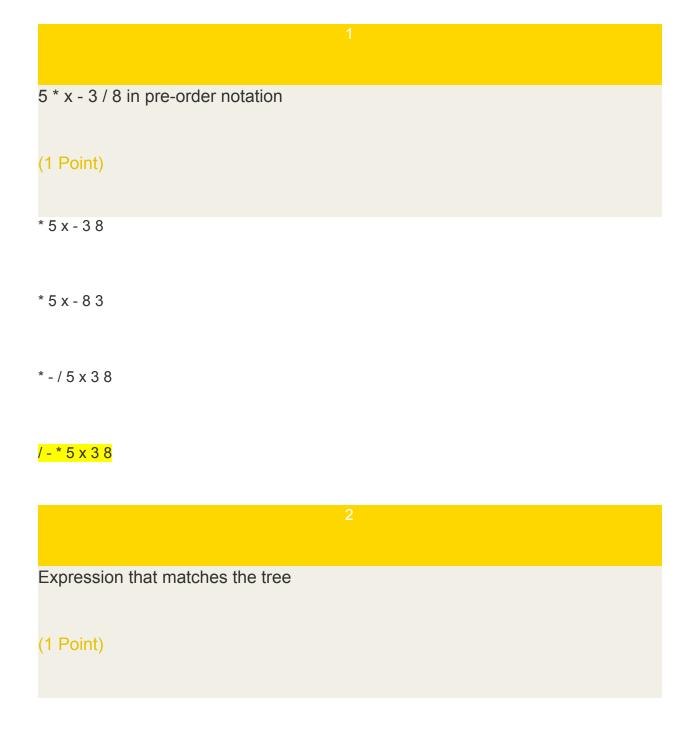
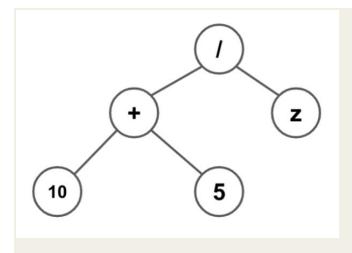
20SCS2050 - Quiz 17(10 Points)





10 + 5 / z

10 / 5 + z

10/z+5

10 + z / 5

3

An expression tree can have internal nodes with only one child if the operator is unary.

(1 Point)

<mark>true</mark>

4

When parsing an input queue, the addRecursively method in an expression tree reaches the base case when ...

(1 Point)

the input queue is empty OR the term read is an operator

the input queue is empty OR the term read is an operand

the term read is an operator

the term read is an operand

5

The leaves of an expression tree always contain

(1 Point)

operands

operators
expressions
null values
6
The internal nodes of an expression tree always contain
(1 Point)
operands
operators
expressions
null values
7
The left or right subtrees of an expression tree are also expression trees

(1 Point)	
true True	
false	
	8
An expression tree is a type of	
(1 Point)	
binary tree	
linked list	
array	
scalar	
	9
Best order to create an expression tree	

(1 Point)

<mark>pre-order</mark>

in-order

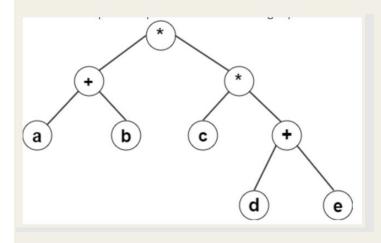
post-order

disorder

10

Post-order of the expression tree

(1 Point)



a b c d e + + * *

a b + c d e + * *

a b c + d e + * *

a b c d + * e + *