AQ11.2: Activity Questions 2 - Not Graded

**This assignment will not be graded and is only for practice.**

**Note : This activity is for your practice purpose only. Your score in this will not count towards the Final score.**  
  
**State whether the following statements are true or false.**

***1 point***

As we move from root to one of the end of DFS tree of mentoring problem in the lecture, the marks obtained by the student, irrespective of subject, are in decreasing order.

True

False

***1 point***

Two adjacent nodes of DFS tree in the lecture represent the mentoring of student in two different subjects.

True

False

***1 point***

Assume the length of each edge of DFS tree of mentoring problem in the lecture is 10 units. What would be the possible maximum length of any branch of DFS tree?

Less than 30 units

30 units

More than 30 units

Can not predict

***1 point***

Consider the graph given below.  
A diagram of a network with Great Pyramid of Giza in the background

AI-generated content may be incorrect.  
Which of the following tree can be drawn in order to consider all the nodes of the graph starting from node A**A**, by using depth first search (DFS) algorithm? Assume that the nodes in the left branch are visited first.

A diagram of a diagram

AI-generated content may be incorrect.

A diagram of a triangle

AI-generated content may be incorrect.

A diagram of a triangle

AI-generated content may be incorrect.

A diagram of a tree

AI-generated content may be incorrect.