

Course No: ARCH2302, ARCH2307  
Course Title: Structural Analysis-  
Arch  
Date: 11/03/2017  
No. of Questions: (3)  
Time: 1.5 hours  
Using Calculator (Yes)

University of Palestine

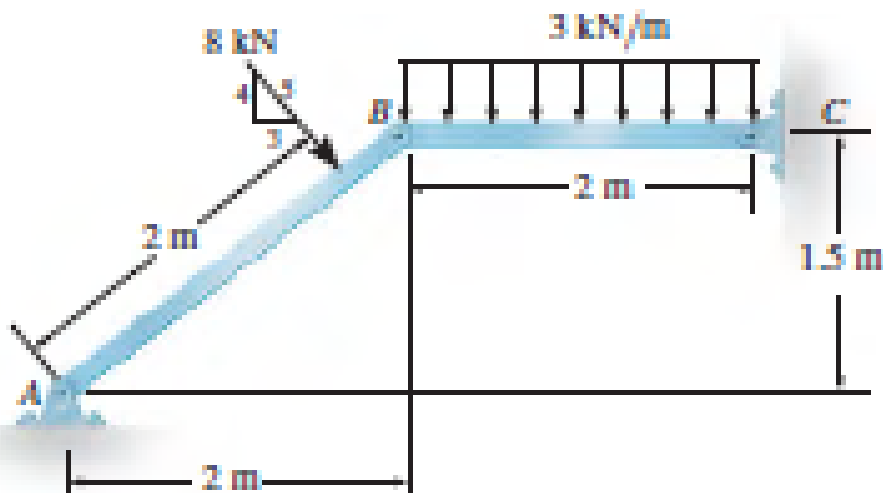


Midterm Exam  
2016/2017  
Total Grade:20

Instructor Name: Eng. Doaa Abo  
Jbara, Dr. Eyad Haddad  
Student No.: \_\_\_\_\_  
Student Name: \_\_\_\_\_  
College Name: Engineering Faculty  
Dep. / Specialist: Architecture  
Using Dictionary (No)

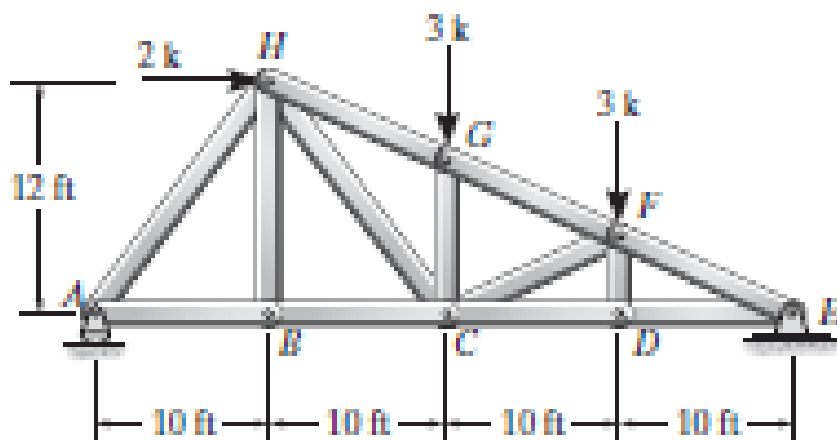
### Question One:

Determine the horizontal and vertical components of reaction at the pins A, B, and C of the following two-member frame



### Question Two:

Determine the force in each member of the truss. State if the members are in tension or compression.



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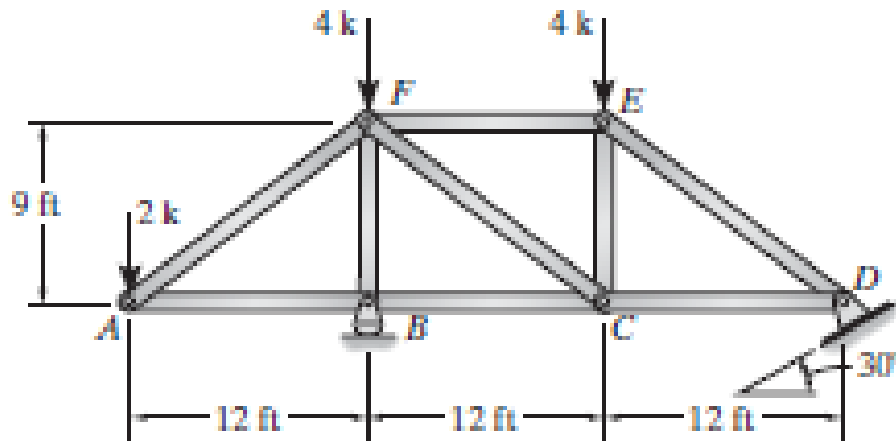


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### Question Three:

Determine the force in each member of the truss. State if the members are in tension or compression.



End of Questions  
*Good Luck*