Online Homework System

Name: _____

Class: _____

Class #: _____

Section #: _____

Instructor: Parker Schnepf

Assignment: 7.1 Homework Exercises

Question 1: (10 points)
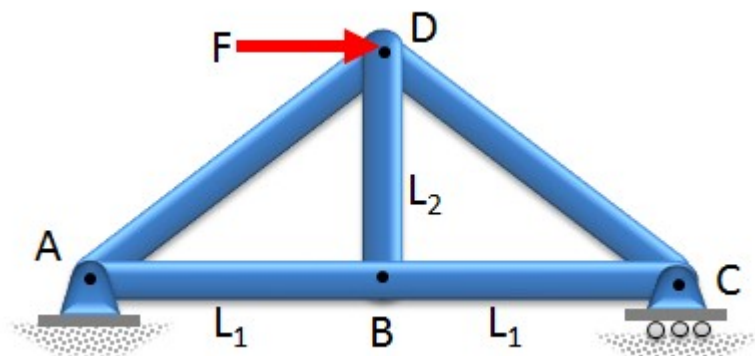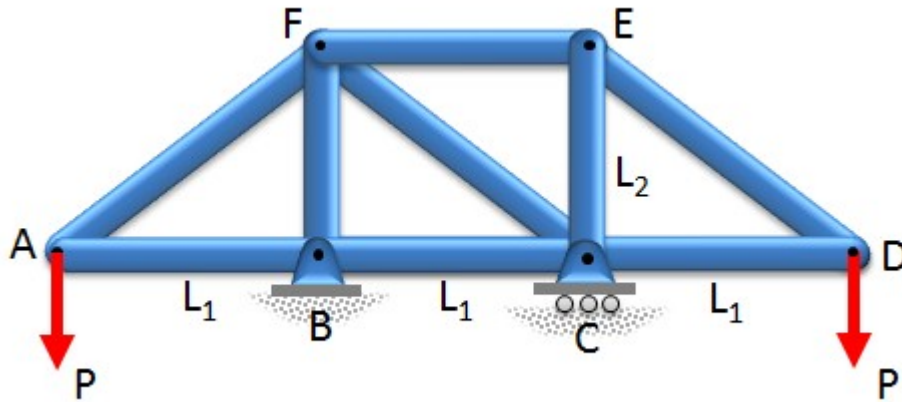

Find the force in each member of the truss and state if the members are in Tension or Compression, given :

F = 250 *N*, L_1 = 3 *m*, L_2 = 4 *m*

(ans: **CD** = 208 N C,   **BC** = 125 N T,   **BD** = 0 N,   **AB** = 125 N T,   **AD** = 208 N T)

Select problem completion status from drop-down list:

_____

Question 2: (10 points)

Find the force in each member of the truss and state if the members are in Tension or Compression, given :

 P = 400 *lbs*,   **L₁** = 6 *ft*,   **L₂** = 7 *ft*

   (ans: **AB** = 343 lbs C,   **BC** = 343 lbs C,   **CD** = 343 lbs C,   **AF** = 527 lbs T,   **EF** = 343 lbs T,   **DE** = 527 lbs T,   **BF** = 400 lbs C,   **CF** = 0 lbs,   **CE** = 400 lbs C)

Select problem completion status from drop-down list:

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