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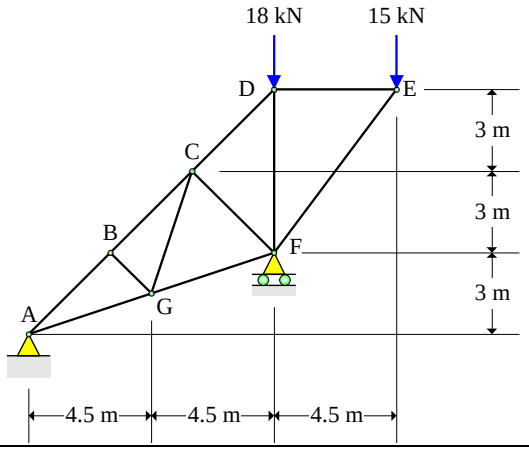
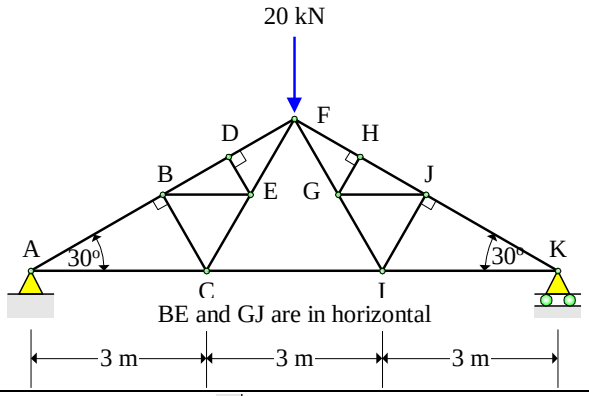
NAME:_____Student #_____ GROUP:_____

ENG 1440 Assignment #7

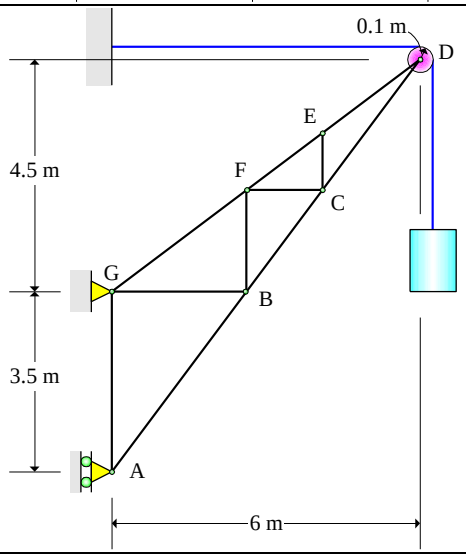
1. Determine the forces in members CD, DE, and DF of the truss shown in the figure. State whether each member is in tension or compression.



2 Determine the forces in each member of the truss shown. State whether each member is in tension or compression. Members BE and GJ are horizontal.



3. Determine the force in each member of the truss and state if the members are in tension or compression. The load has a weight of 2000 N.



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BONUS:

The truss shown in figure below is supported by a pin (hinge) support at *A* and a short link *FG*. A beam is supported by rollers at joint *B* and joint *C* of the truss. The beam support a distributed load as shown. The weight of the beam itself may be neglected.

(a) Determine the reactions at supports *A* and *F*,

(b) Determine the force in each member of the truss and **indicate** if the member is in tension or compression.