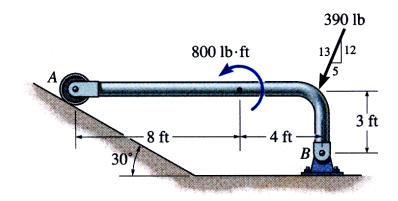
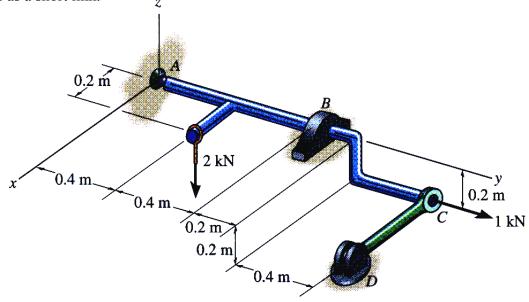
## BE50E Fall 2000 Exam 2

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Name: _____
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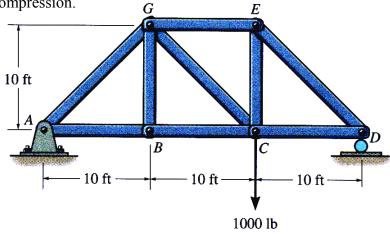
1. Determine the reactions at the roller *A* and pin *B*.



2. Determine the reactions at the ball-and-socket joint *A* and journal bearing *B*. Member *CD* acts as a short link. z



3. Determine the force in members AG, BG, CG, and EG of the truss and state if the members are in tension or compression. G



4. The wall crane supports a load of 700 lb. What is the force in the cable at the winch W? Also, determine the reactions at the pins A and D.

