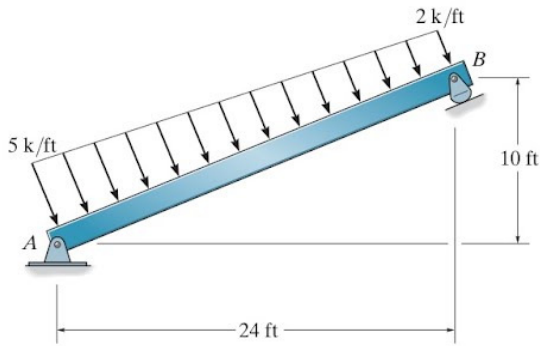


## Homework #2

Note: Draw free body diagrams for each problem and show all work

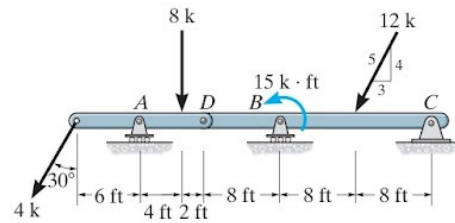
### Problems 2-20, 2-23, 2-27

2-20. Determine the reactions on the beam.



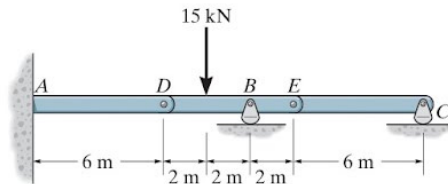
Prob. 2-20

2-23. The compound beam is pin supported at C and supported by a roller at A and B. There is a hinge (pin) at D. Determine the reactions at the supports. Neglect the thickness of the beam.



Prob. 2-23

2-27. The compound beam is fixed at A and supported by a rocker at B and C. There are hinges (pins) at D and E. Determine the reactions at the supports.



Prob. 2-27