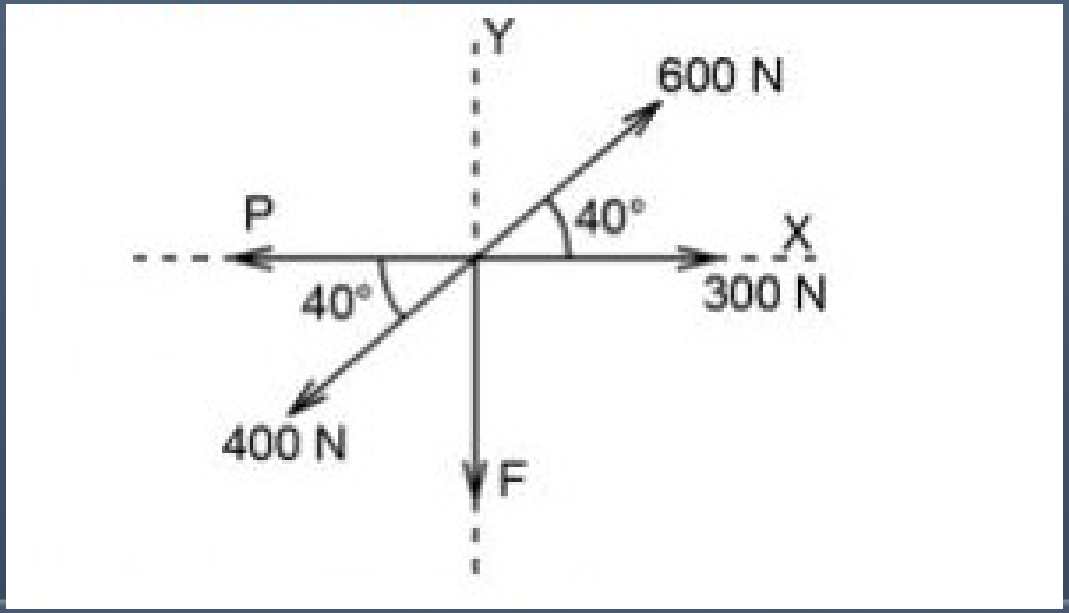
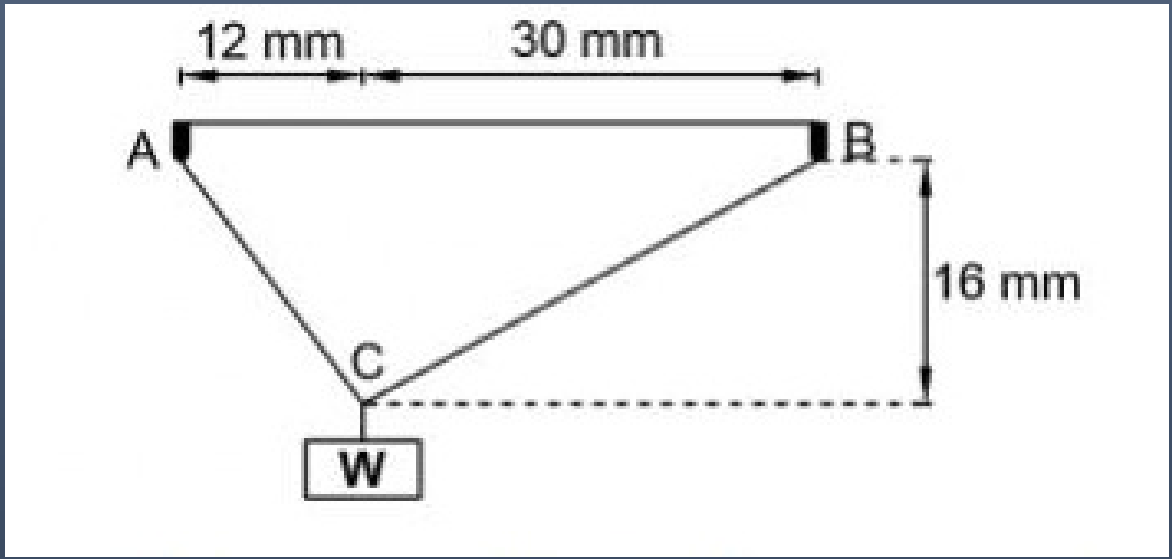
TUTORIAL (Additional)

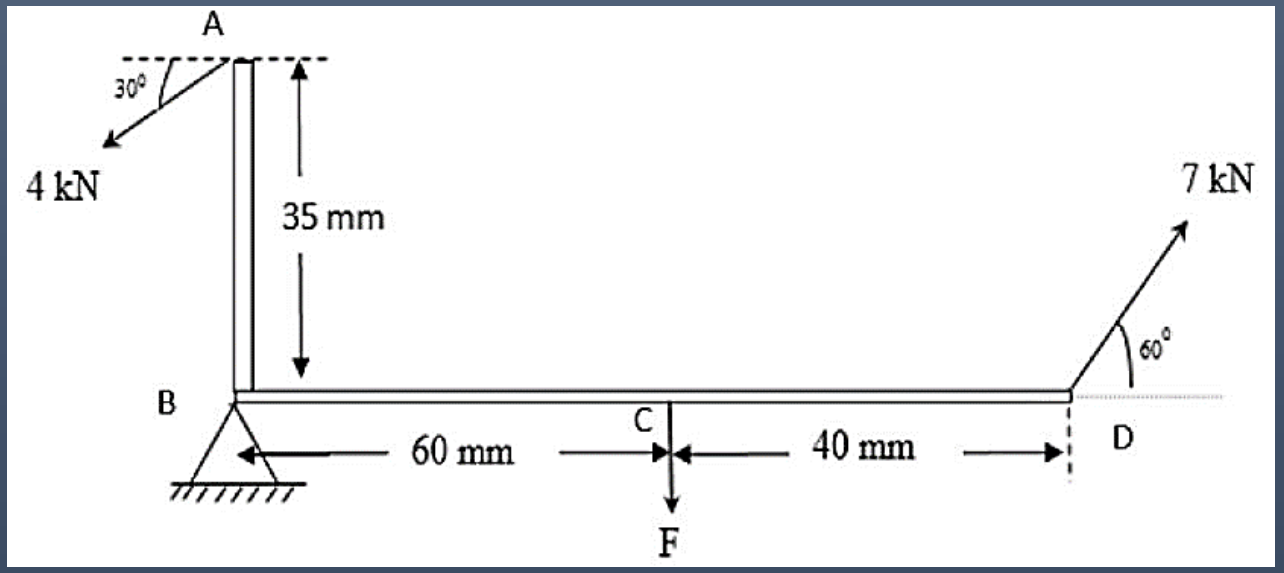
1. The figure shows the concurrent force system acting at a joint of a bridge truss. Determine the values of P and F required to maintain equilibrium of forces.



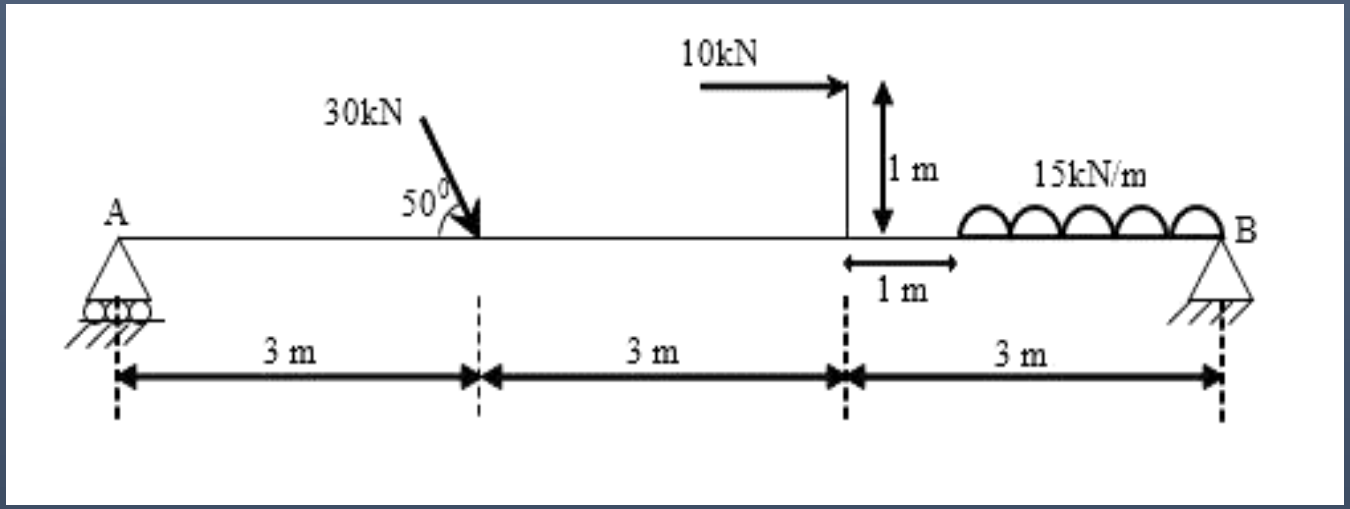
2. Two cables tied together at C are loaded with a weight W = 190 N as shown in figure. Determine the tension in the cable AC and BC to maintain equilibrium.



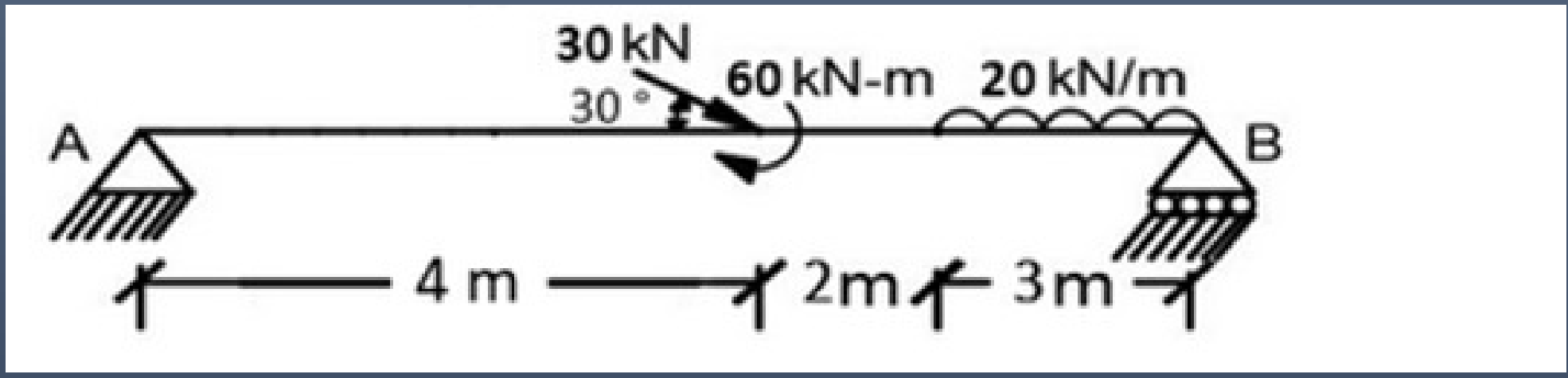
3. A beam ABCD, hinge supported at B is subjected to loads as shown in the figure. Calculate force 'F' and reactions at support B. (2 marks)



4. Determine the reactions at the supports A and B for the beam loaded as shown in the figure. (4 marks)



5. Determine the reactions at the supports A and B for the beam loaded as shown in the figure. (4 marks)



6. Determine the reactions at the supports A and B for the beam loaded as shown in the figure. (4 marks)