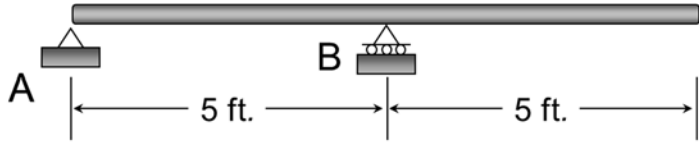
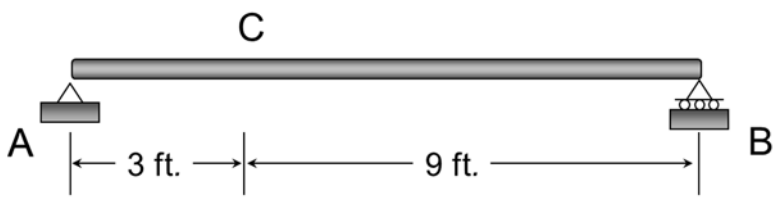


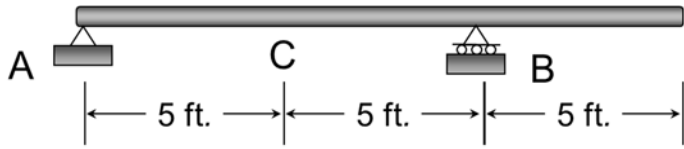
Example 6a-1: Construct the ***influence line*** for the reaction at B.



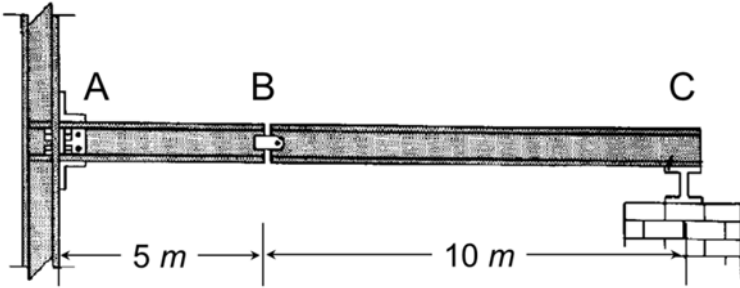
Example 6a-2: Construct the ***influence line*** for the shear at C



Example 6a-3: Construct the ***influence line*** for the moment at C



Example 6a-4: The beam below is subject to a dead load of 1.5 kN/m and a single live load of 10 kN . Determine the maximum **negative** moment created by these loads at point A and the maximum **positive** shear at point B.



Example 6a-5: Determine the maximum **positive** moment that can be developed at point C on the beam shown below due to a single concentrated live load of 8 k, a uniform live load of 3 k/ft., and a beam weight (dead load) of 1 k/ft.

