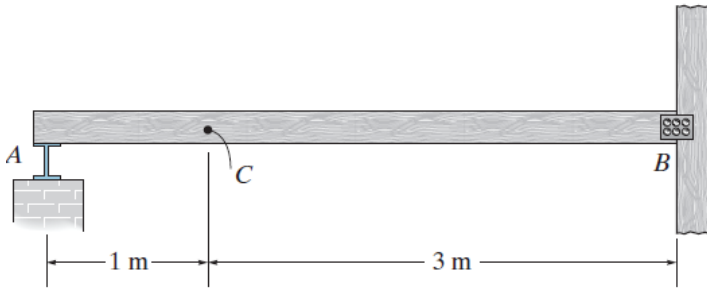
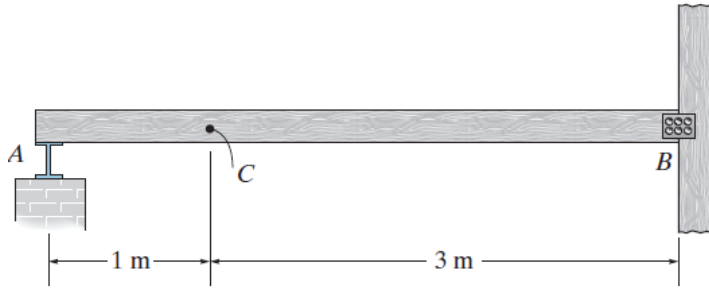


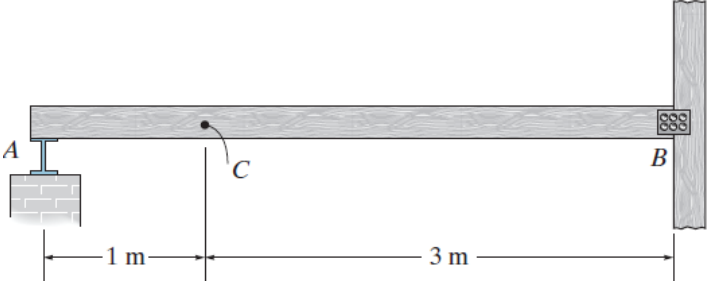
Example 6b-1: The beam supports a uniform dead load of 500 N/m and a single live concentrated force of 3 kN. Determine (a) the maximum positive moment at C and (b) the maximum positive shear at C.



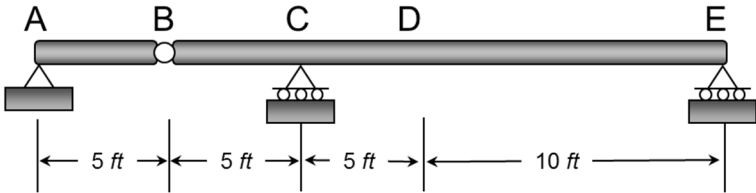
Example 6b-1: The beam supports a uniform dead load of 500 N/m and a single live concentrated force of 3 kN. Determine (a) the maximum positive moment at C and (b) the maximum positive shear at C.



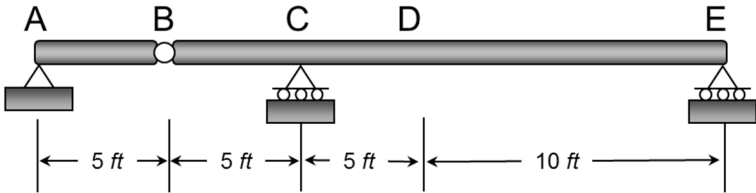
Example 6b-1: The beam supports a uniform dead load of 500 N/m and a single live concentrated force of 3 kN. Determine (a) the maximum positive moment at C and (b) the maximum positive shear at C.



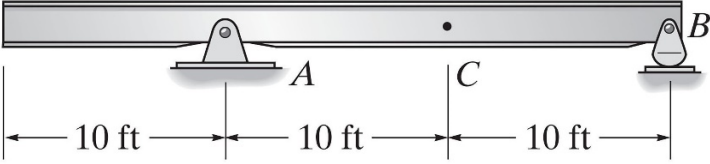
Example 6b-2: Determine the maximum positive shear force that can be developed at point D in the beam shown below due to a concentrated live load of 4 k, a uniform live load of 300 lb/ft, and a dead load of 200 lb/ft.



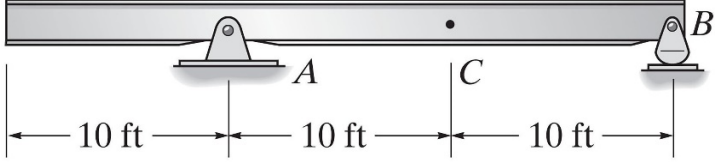
Example 6b-2: Determine the maximum positive shear force that can be developed at point D in the beam shown below due to a concentrated live load of 4 k, a uniform live load of 300 lb/ft, and a dead load of 200 lb/ft.



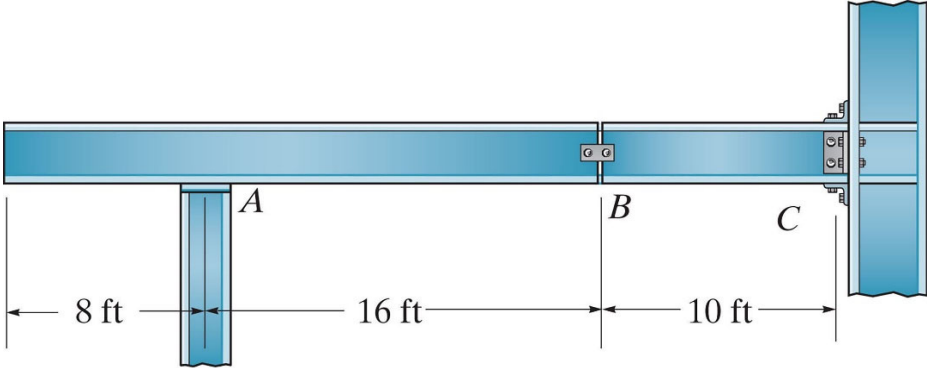
Example 6b-3: The beam supports a uniform dead load of 300 lb/ft, a uniform live load of 600 lb/ft, and a single live concentrated force of 20 k. Determine (a) the maximum positive moment at *C* and (b) the maximum positive shear at *C*.



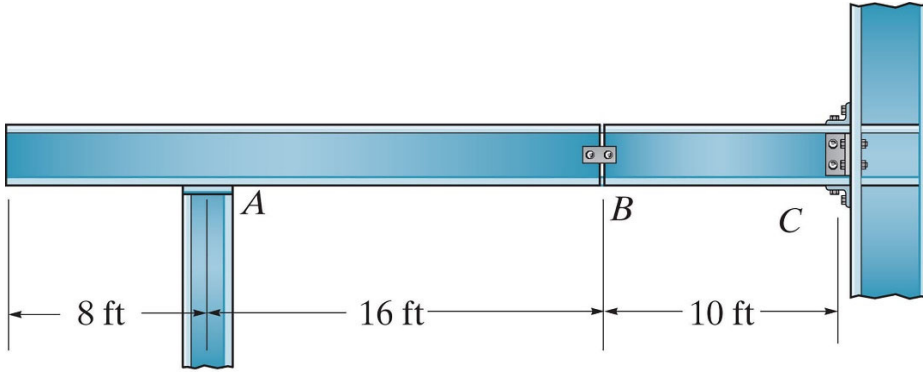
Example 6b-3: The beam supports a uniform dead load of 300 lb/ft, a uniform live load of 600 lb/ft, and a single live concentrated force of 20 k. Determine (a) the maximum positive moment at C and (b) the maximum positive shear at C .



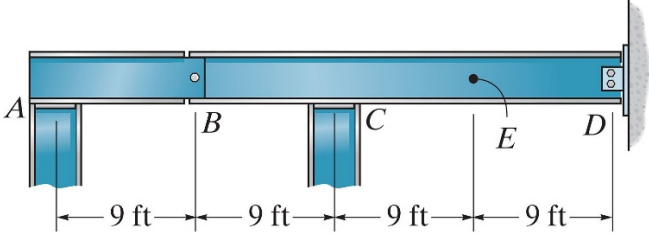
Example 6b-4: The beam supports a uniform dead load of 200 lb/ft, a uniform live load of 400 lb/ft, and a single live concentrated force of 10 k. Determine (a) the maximum positive moment at *C* and (b) the maximum positive shear at *B*.



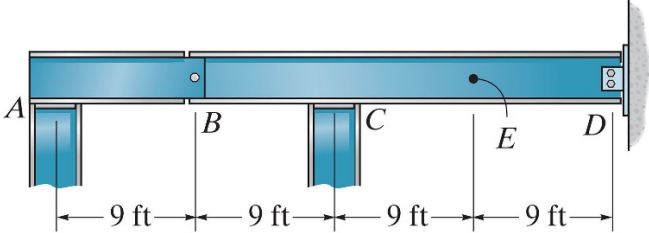
Example 6b-4: The beam supports a uniform dead load of 200 lb/ft, a uniform live load of 400 lb/ft, and a single live concentrated force of 10 k. Determine (a) the maximum positive moment at C and (b) the maximum positive shear at B .



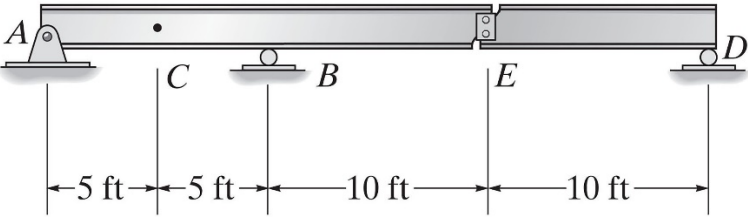
Example 6b-5: The beam supports a uniform dead load of 200 lb/ft, a uniform live load of 600 lb/ft, and a single live concentrated force of 20 k. Determine (a) the maximum positive moment at *C* and (b) the maximum positive shear at *E*.



Example 6b-5: The beam supports a uniform dead load of 200 lb/ft, a uniform live load of 400 lb/ft, and a single live concentrated force of 10 k. Determine (a) the maximum positive moment at *C* and (b) the maximum positive shear at *E*.



Example 6b-6: The beam supports a uniform dead load of 200 lb/ft, a uniform live load of 600 lb/ft, and a single live concentrated force of 20 k. Determine (a) the maximum positive moment at *B* and (b) the maximum positive shear at *C*.



Example 6b-6: The beam supports a uniform dead load of 200 lb/ft, a uniform live load of 600 lb/ft, and a single live concentrated force of 20 k. Determine (a) the maximum positive moment at *B* and (b) the maximum positive shear at *C*.

