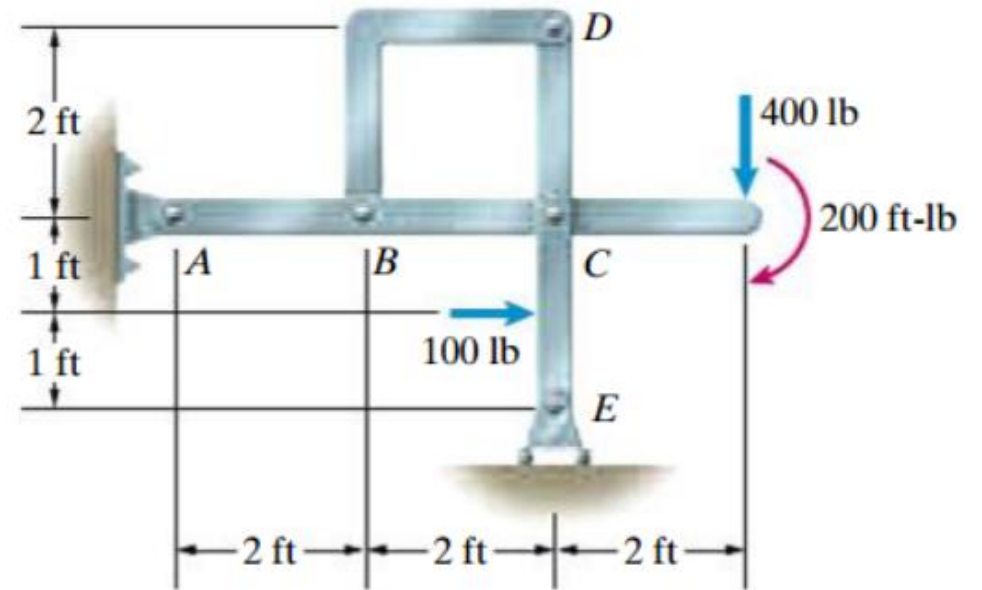
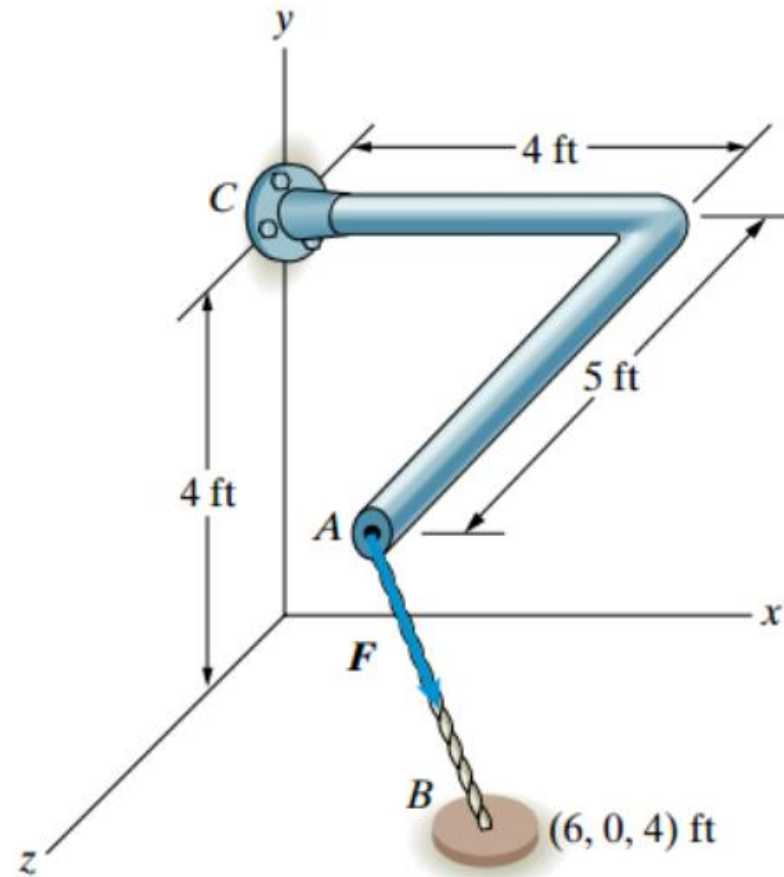


- 2D&3D Equilibrium

- Problem 1 Draw the free-body diagram of the structure by isolating it from its supports at *A* and *E*. Determine the reactions at *A* and *E*.



- Problem 2 The tension in cable  $AB$  is 800 lb. Determine the reactions at the fixed support  $C$ .



- Problem 3 State whether each of the L-shaped bars shown is properly or improperly supported. If a bar is properly supported, determine the reactions at its supports. (See Active Example 5.6.)

