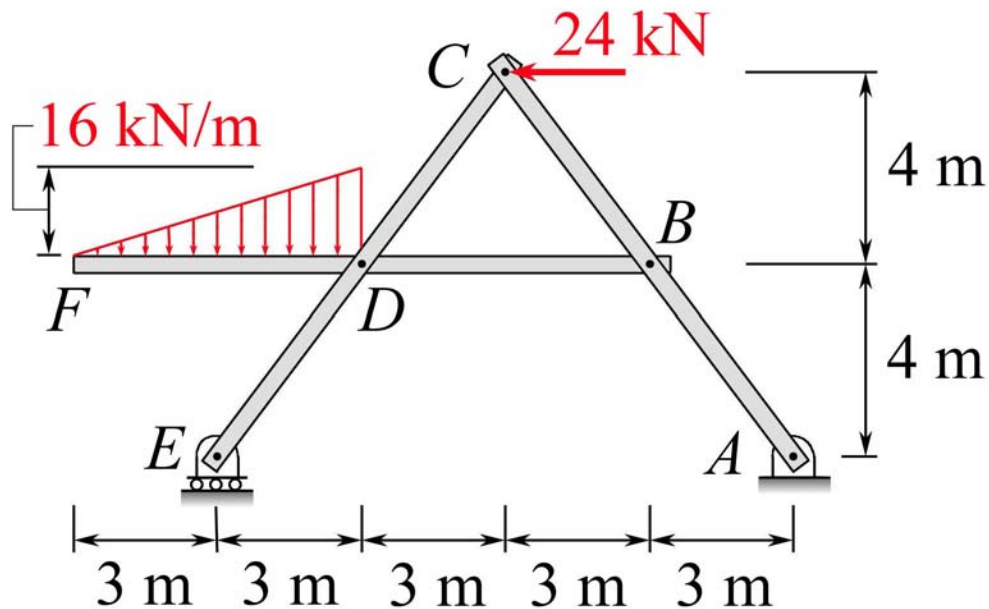


MEEG 2003 [Quiz #8.m25](#)

Determine the reaction forces **A**, **B**, and **C** exerted on member *ABC* by the pins at *A*, *B*, and *C*, respectively, of the frame shown.



*FBD* for member *ABC* with no pins ②

*FBD* for member *BDF* ①

*FBD* for entire frame ①

$$\mathbf{A} = 24\mathbf{i} - 12\mathbf{j} \text{ kN} \quad \textcircled{2}$$

$$\mathbf{B} = -42\mathbf{i} + 16\mathbf{j} \text{ kN} \quad \textcircled{2}$$

$$\mathbf{C} = 18\mathbf{i} - 4\mathbf{j} \text{ kN} \quad \textcircled{2}$$