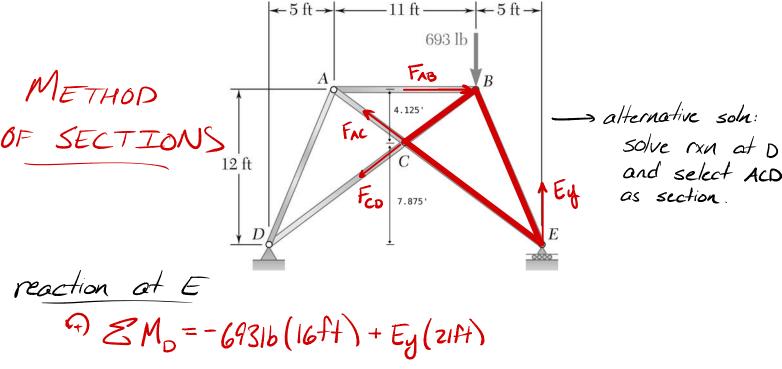
A non-communicating calculator is allowed. Full credit will only be given if all steps used are clearly communicated (free body diagrams, algebra, etc).

While constructing the new recreational-center building, the construction company erected a temporary platform as shown in the figure. The equipment kept on the platform at point B weighs 693 lb. The platform can be modeled as a truss.

Use the method of sections to determine the force in member AB. State whether the member is in tension or compression. (Clearly indicate the cut/section and draw the FBD of the portion under analysis.)



$$= -6931b(16ft) + Ey(21ft)$$

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$$= 5281b$$

Name: _

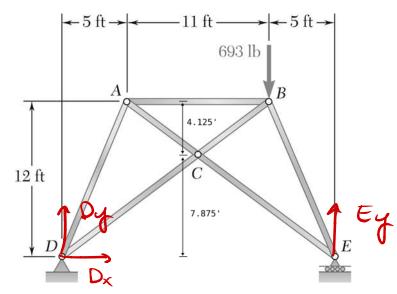
$$\longrightarrow F_{AB} = \frac{5281b(10.5ft) - 6931b(551t)}{4.125ft}$$

A non-communicating calculator is allowed. Full credit will only be given if all steps used are clearly communicated (free body diagrams, algebra, etc).

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METHOD OF JOINTS



reaction at E (some as before)

4) $EM_0 = -69316(16ft) + Ey(21ft) \rightarrow Ey = 528161$

For A is a single of the si

