

### ENDS 231: Practice Quiz 3

*Note: A one page (one sided) crib sheet is allowed during the quiz, along with a silent, **non-programmable** calculator.*

Clearly show your work and answer.

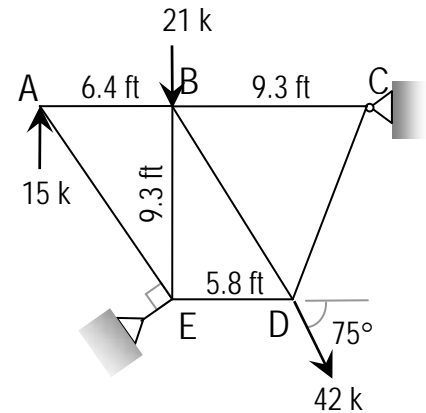
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The truss shown has the following support reactions:

*short link at E = 85.0 k (T),  $C_x = 59.1$  k,  $C_y = 94.7$  k*

Using the method of joints *only*, find:

- the member forces at joint A [or C or ...]
- the remaining force at the adjacent joint E [or B or D ...]
- [some short question from the text material]



*Answers:*

- AB = 10.3 k (C), AE = 18.2 k (T) (or BC = 23.5 k (T), CD = 101.2 k (T))
- BE = 33.2 k (T), ED = 80.3 k (T) (or BD = 63.8 k (C), ED = 80.3 k (T))

**Disclaimer: Answers have NOT been painstakingly researched.**