

ENDS 231: Practice Quiz 4

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

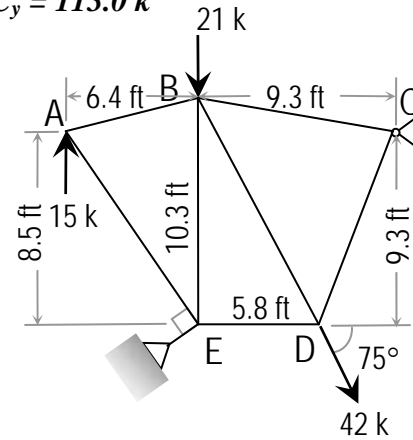
Clearly show your work and answer.

The truss shown has the following support reactions:

short link at E = 110.5 k (T), $C_x = 77.4$ k, $C_y = 113.0$ k

Using the method of sections *only*, find:

- the member forces in AB, BE, and ED [or BC, BD, and ED]
- [some short question from the text material]



Answers:

- AB = 9.7 k (C), BE = 54.1 k (T), ED = 97.6 k (T)
[or BC = 33.7 k (T), BD = 87.3 k (C), ED = 97.6 k (T)]

Disclaimer: Answers have NOT been painstakingly researched.