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.*
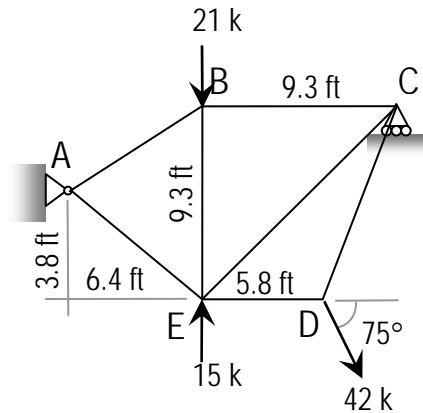
Clearly show your work and answer.

The truss shown has the following support reactions:
$A_x = -10.87\ k,\ A_y = 15.23\ k,\ and\ C = 31.34\ k$

Using the method of sections *only,* find:

a) the member forces in AE, BE and BC [or BC, EC and
ED, *or with one section cut for any truss geometry*]

b) *[some short question from the text material]*

Answers – Not provided on actual quiz!

a)   AE = 19.6 k (T), BE = 15.8 k (T), and BC = 6.0 k (C)
     (or BC = 6.0 k (C), EC = 13.0 k (C), and ED = 26.1 k (T))