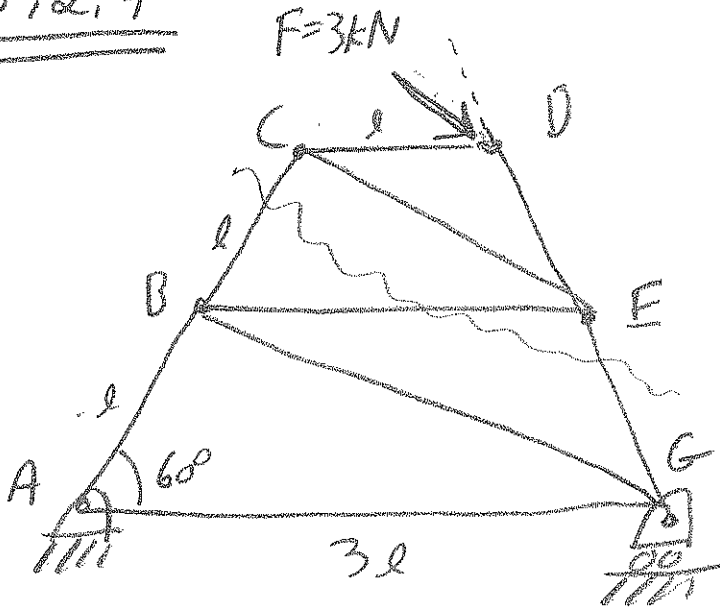
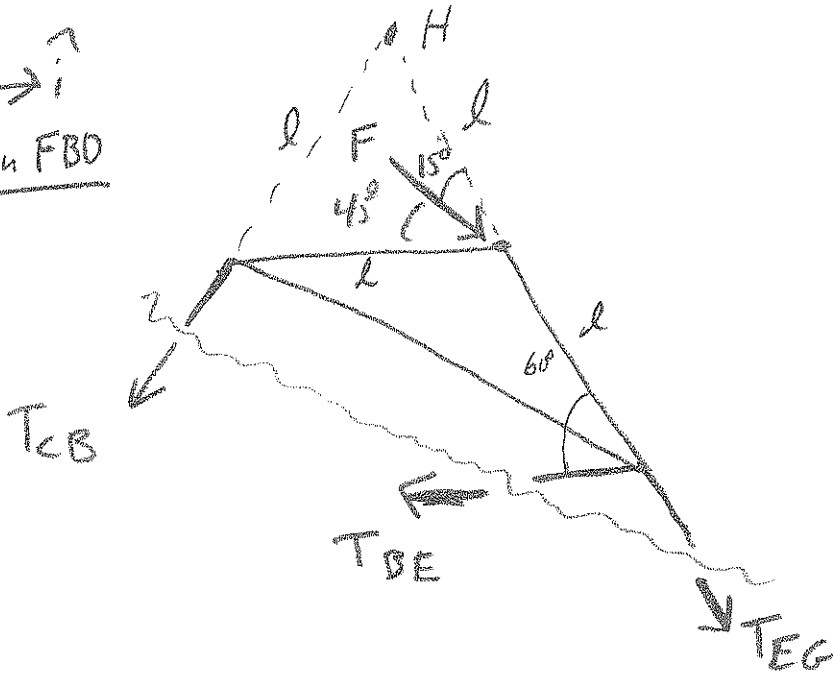


5.2.7



$T_{BE} = ?$

Section FBD



$$\sum M_H = 0$$

$$\Rightarrow F l \sin 15^\circ - T_{BE} l \sin 60^\circ = 0$$

$$T_{BE} = \frac{F \sin 15^\circ}{2 \sin 60^\circ} = \frac{3000 \text{ N} \sin 15^\circ}{\sin 60^\circ}$$

$$T_{BE} = \cancel{897 \text{ N}} \quad 448.5$$