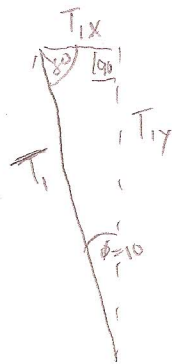


Equib. App of N. laws

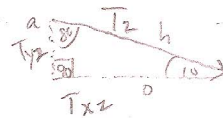
exp. 12



$$T_{1y} = 3150 \text{ N}$$

$$\sin 80^\circ = \frac{T_{1y}}{T_1} \rightarrow T_1 = \frac{T_{1y} (3150)}{\sin 80^\circ} = \boxed{3200 \text{ N}}$$

$$\sin 10^\circ = \frac{T_{1x}}{3200 \text{ N}} \rightarrow 3200 \sin 10^\circ = 555 \text{ N} = T_{1x}$$



$$\sin 80^\circ = \frac{T_{2x}}{T_2} \rightarrow$$

$$T_2 = \frac{T_{2x}}{\sin 80^\circ} \rightarrow T_2 = \frac{555 \text{ N}}{\sin 80^\circ} =$$

$$\boxed{T_2 = 563 \text{ N}}$$