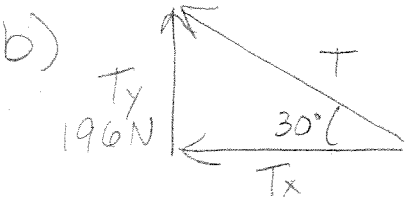


P #22

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$$\tan \theta = \frac{T_y}{T_x}$$

$$\tan 30^\circ = \frac{196 \text{ N}}{T_x}$$

$$T_x = 339 \text{ N}$$

$$\Sigma F_x: \quad T_x = R_x \quad (\text{only horizontal forces})$$

$$R_x = 339 \text{ N}$$

$$\Sigma F_y: \quad T_y + R_y = W$$

$$196 \text{ N} + R_y = 196 \text{ N}$$

$$R_y = 0 \text{ N}$$