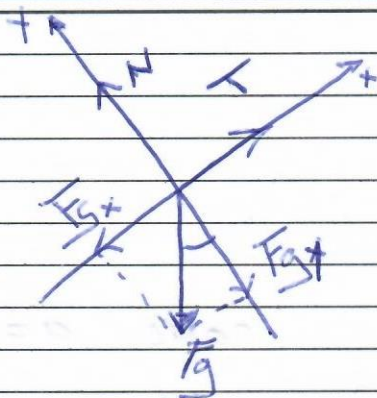


4.32

Datos

$$m = 65 \text{ kg}$$

$$\theta = 26^\circ$$



$$F_{gx} = F_g \sin \theta$$

$$F_{gx} = mg \sin \theta$$

$$\sum \vec{F}_x = m \vec{a}$$

$$T - F_{gx} = m \cdot a \quad a = 0 \text{ debido a que tiene } v \text{ constante.}$$

$$T - F_{gx} = 0 \quad ; \quad T = F_{gx} \quad ; \quad T = mg \sin \theta$$

$$T = (65)(9.8) \sin 26 \quad ; \quad T = (65)(9.8)(0.42)$$

$$T = 279 \text{ N}$$