1) SUPERPOSICION FUERZA

DETERMINAR

VECTOR	ANGULO POSITIVO	Comx	Comy
80N	30	69.28	40
75N	30	64.95	37.5
50N	40	38.30	25
		172.53	102.5

$$\theta = \tan^{-1}\left(\frac{102.5}{172.53}\right) = 30.71$$

2. DEBIDO A TESIÓN DE BOCA.

$$T = \frac{F}{2\cos\frac{\alpha}{2}} = 3.15N$$

2) $F = m \cdot a$

$F = M1 \times 20 m/s$ 25kg

$F = M2 \times 5 m/s$

$M = 25 m/s$

$F = M \cdot a =$

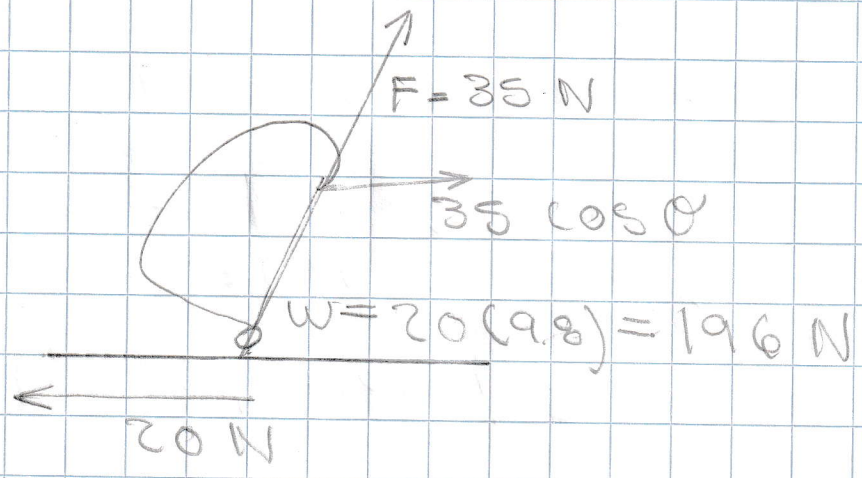
1) UN AUTOMOVIL DETENIDO

$F = m \cdot a$

$F = 1800 kg \cdot 1,55 m/s$

$F = 2790 N$

3) MUJER EN EL AEROPUERTO.



$35\cos\theta - 20 = 0$

$\cos\theta = \frac{20}{35}$

$\theta = \cos^{-1}\frac{20}{35}$

$\theta = 55.15°$

$N = -35\,\text{sen}\,55.15 + 196$

$N = -28.72 + 196$

$N = 167.27\,N$