

## DINAMICA

ESTUDIA EL MOVIMIENTO
DE los CUERPOS, CONSIDERANDO
LA CAUSA QUE LO GENERA.

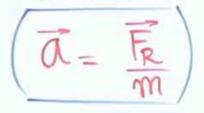
SEGUNDA FY DE NEWTON

(LEY DE LA ACELERACIÓN O FUERZA)



PROPORCIONAL A LA FUERZA ICESUITANTE

E INVERSO CON LA MASA.



F. : FUERZA RESULTANTE (N)

M: MASA (kg)

a: A CELEPACION (M/SZ)



## DINAMICA LINEAL

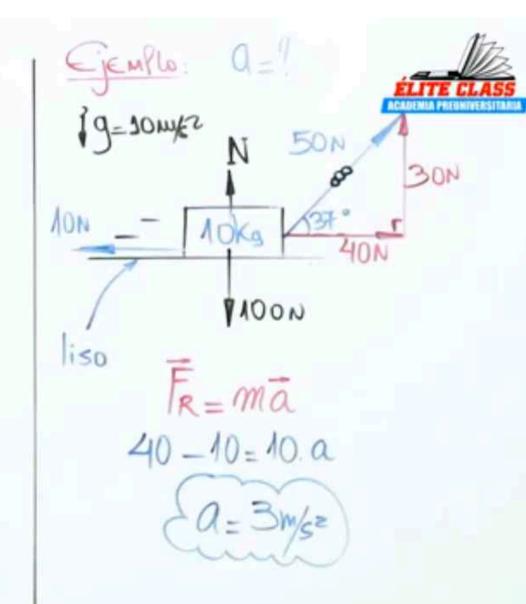
ESTUDIA LA SEGUNDA LEY
DE NEWTON EN TRAYECTORIAS

RECTILINEAS.

Fr= ma

FORMA PRACTICA

FR = EFATIOR - FCONTRA EL MOV.

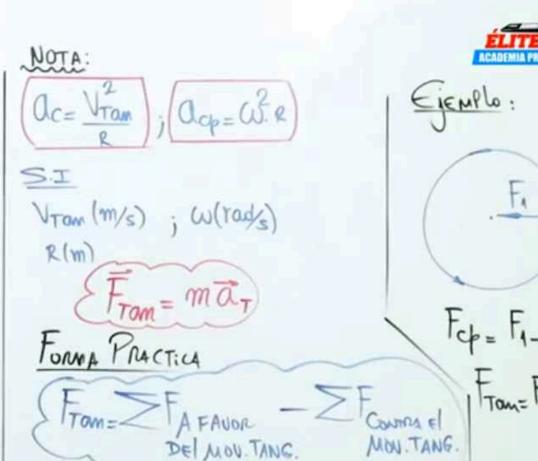




## DINAMICA GROWAR

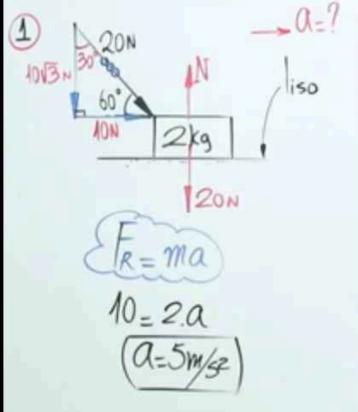
ESTUDIA LA SEGUNDA LEY DE NEWTON EN TRAYECTORIAS CIRCULARES.

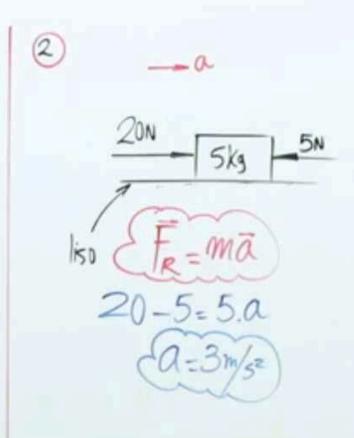
FORMA PRACTICA

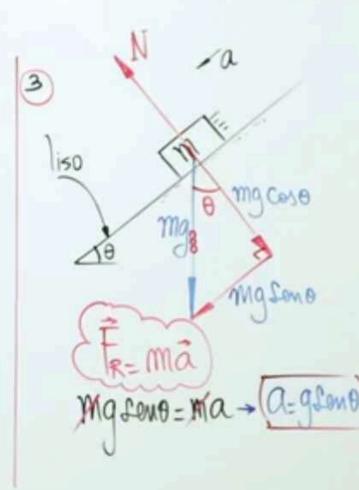


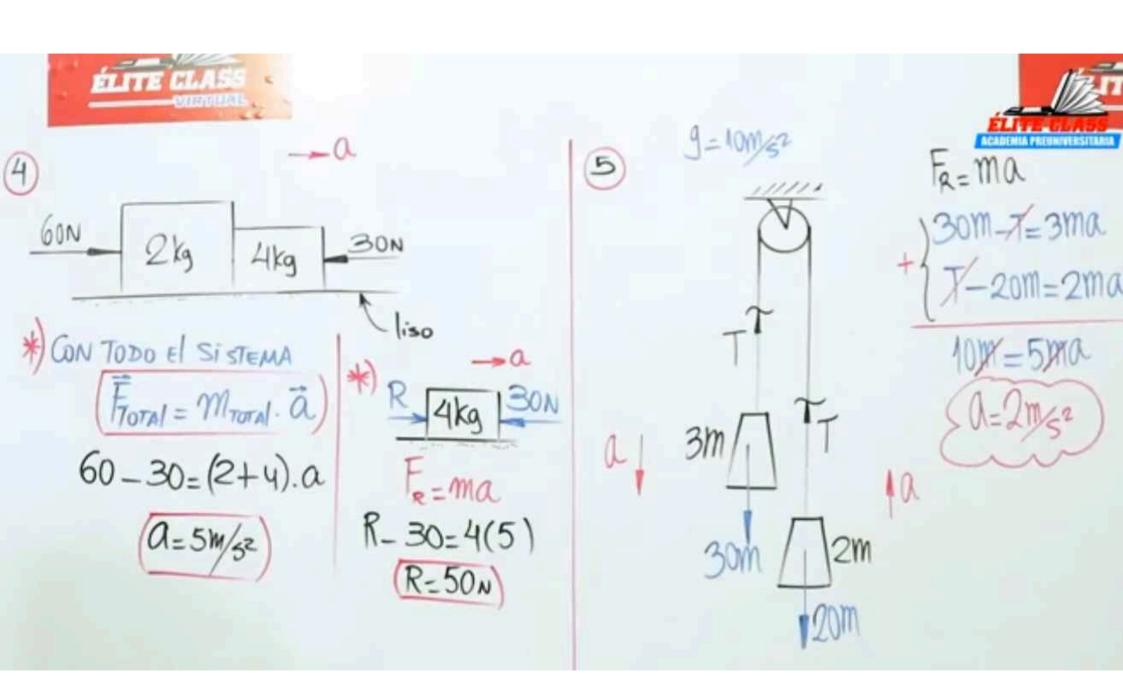






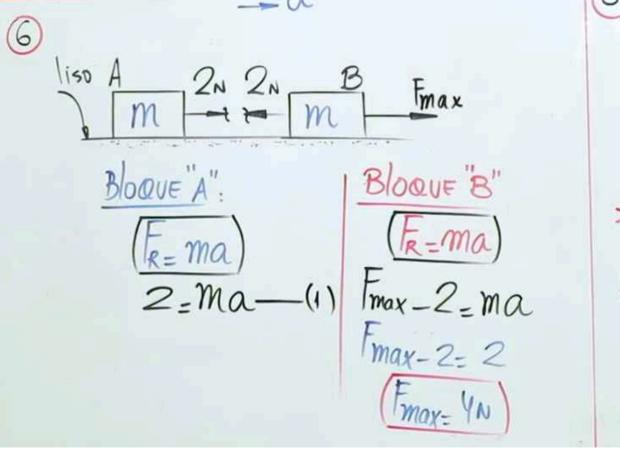


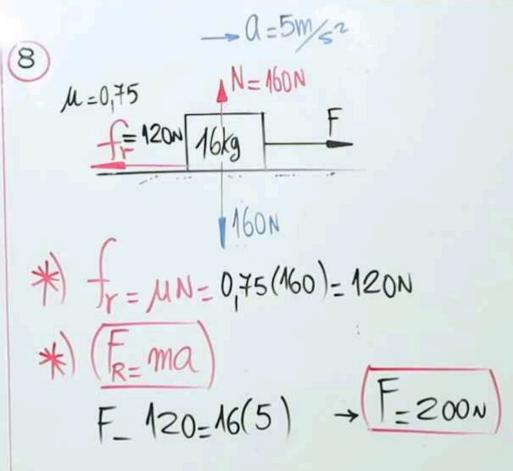






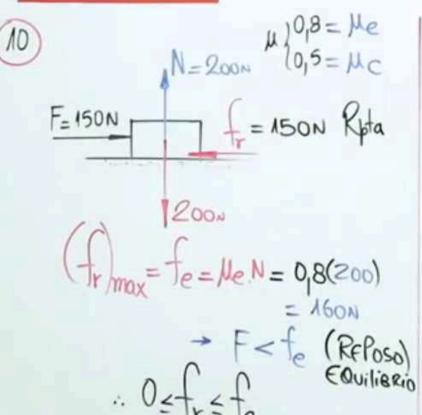


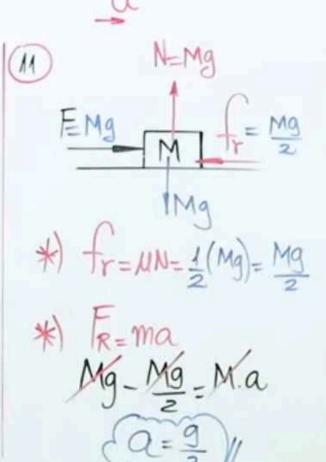


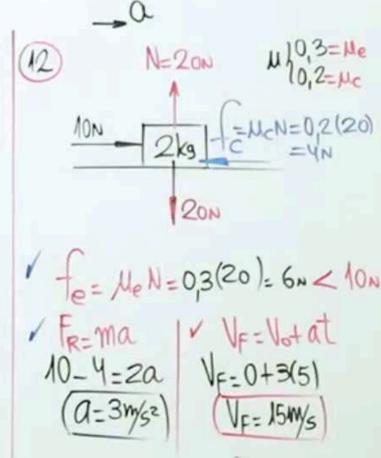






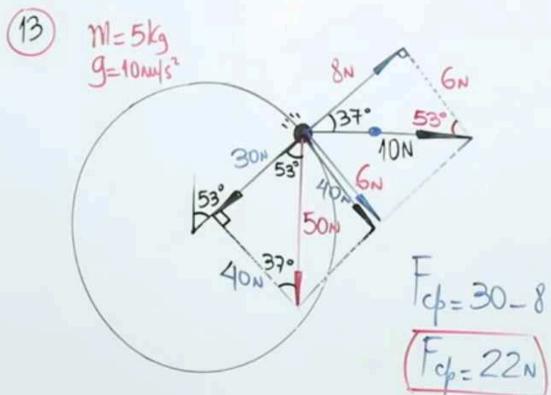


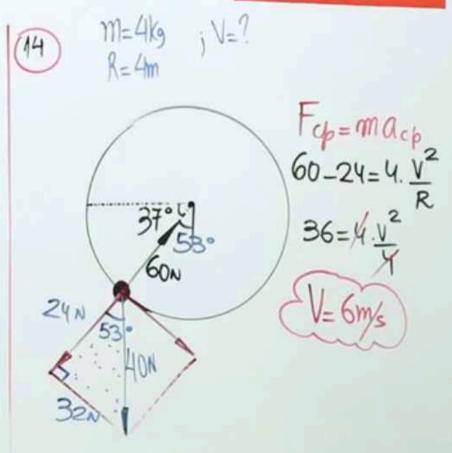




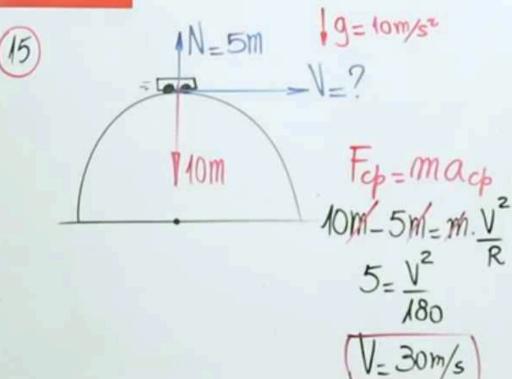




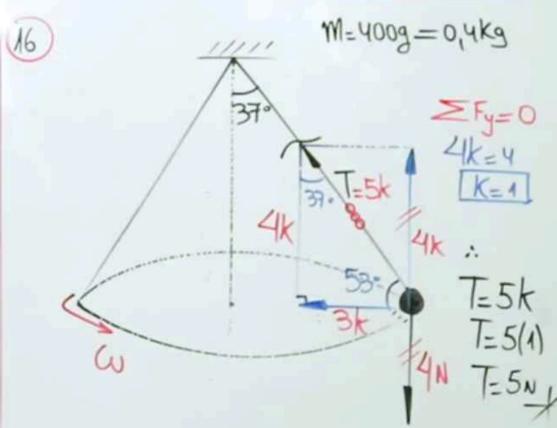












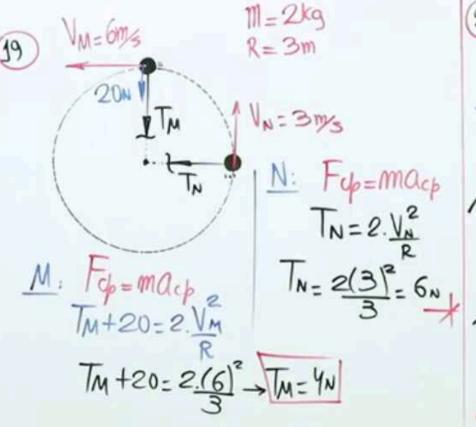




18) M=0,5kg, R=0,8m, P=0,4s (19)



- \*) W= 2T = 2T = 5TT rad/s
- \*)  $F_{cp} = ma_{cp}$   $T = m(\omega_R^2)$  $T = \frac{1}{2}.(25\pi^2)(0.8) = 10\pi^2 N$



21 / m=1kg + ) F=(72-5j+9k)N == (-3î+3ĵ-5k)N 1 FE = FA + FE E=(4)-2)+4R)~ |FR = V(4)2+(-2)2+(4)2 FR = V16+4+16 = 6N / Fr=ma -> 6=1.a -> a=6m





