



TRABATO NETO: (WN)

/ (WN=WF1+WF2+...+WFn)

(WN= FR.d)

(WN= ma.d)

V(WN= DEC=(EC)FINAL-(EC)INICIA

NOTA: V=CONSTANTE

: WN=0



d(m)

W(Joule=J)

NOTA: ENJ AN.M

EQUIVALENCIA

1 J = 10 ergios
1 KWh = 3,6×106 J





POTENCIA MECANICA: (P)

/ MAGNITUD ESCALAR

MIDE LA RAPIDEZ PARA DESARROLLAR TRABATO.

VSI: P(Watt=W)

NOTA: 1 Watt = 1 Vatio

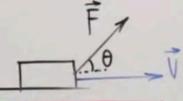
1) POTENCIA MEDIA (Pm)

Pm= WF

WF: TRABATO DE LA FUERZA(J) L: TIEMPO(S)

NOTA: (1 Watt = 1 I

2) POT. INSTANTANEA: (P)



Pi= F. V. Coso

EQUIVALENCIAS: 1HP 746W 1C.V-735W



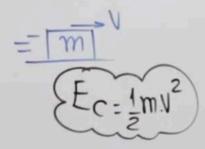


ENERGIA (E)

- / MAGNITUD ESCALAR.
- MIDE LA CAPACIDAD PARA DESARROLLAR TRABATO.
 - / PUEDE SER POSITIVAL+), NEGATIVAL-) O NULOLO).
 - / S.I. E(Joule = J)

1) E. CINETICA (Ec)

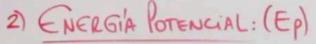
- , E. DE MOVIMIENTO.
- DEPENDE DE SISTEMA DE REFERENCIA.
- / SIEMPREES POSITIVA.



M: MASA (kg)
V: VELOCIDAD (m/s)

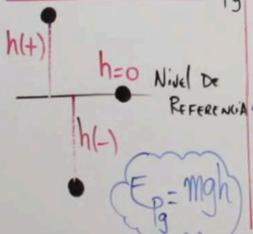






(DEBIDO A los CAMPOS ELECTRICOS, GRAVITATORIOS, MAGNÉTICOS, ...)

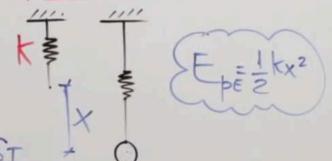
2.1) E.P. GRAVITATORIA(Ep



 $9 = 9.8 \text{ m/s}^2$

h = AlTura (m)

2.2) E.P. Elastia (Epe)



K: CONSTANTE ELÁSTICA O RIGIDEZ (N/m)

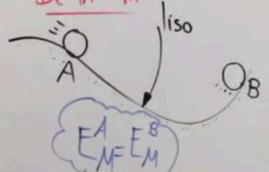
X: DEFORMACIÓN (m)



3) ENERGÍA MECANICA (EM)

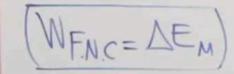
PRINCIPIO DE la Conservación

DE LA EM.



DE LAS FUERZAS NO

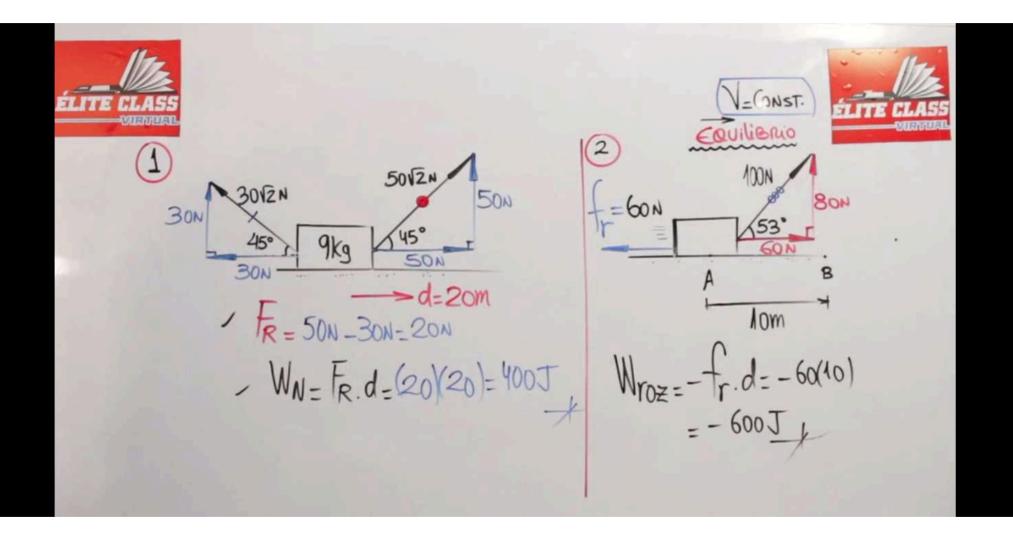
CONSERVATIVAS Y DEM

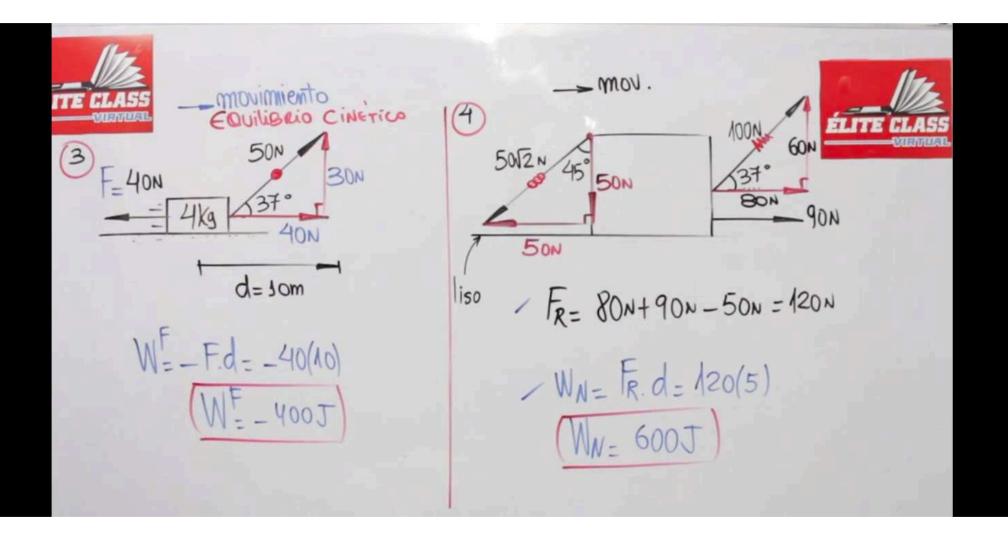


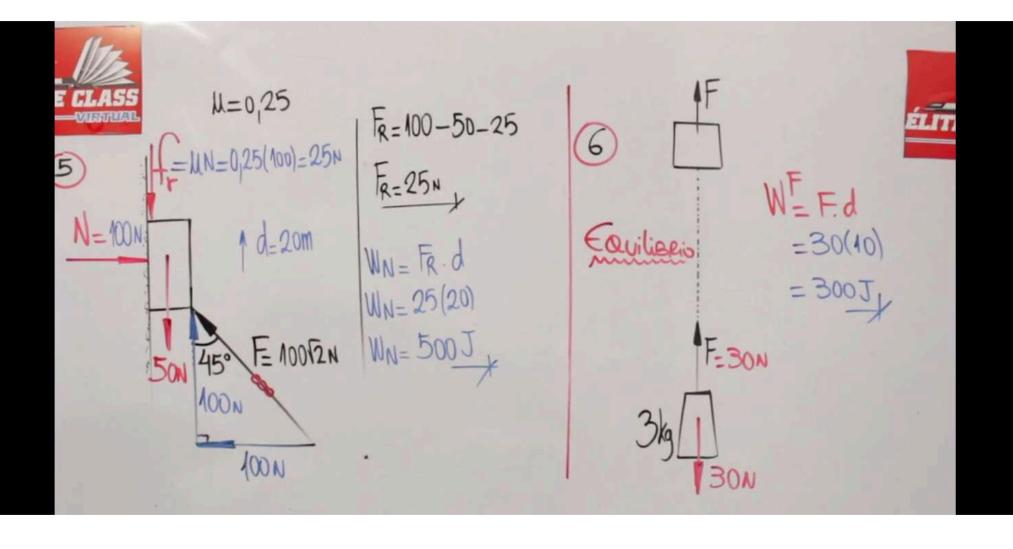
NOTA: S; LA F.N.C = FUERZA DE POZAMIENTO

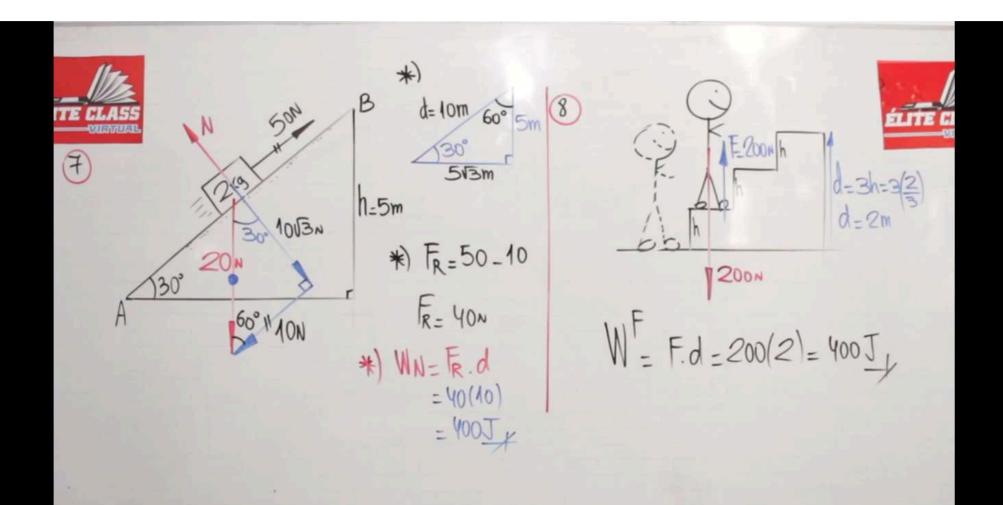
RECORDAR: Wroz= - troz.d



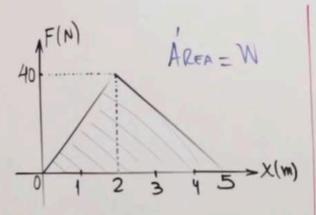












:.
$$W = \frac{5xh}{2} = \frac{5x40}{2}$$

