

Act. 2 pag 14 (T1)

Datos

$$W = ?$$

$$m = 1000 \text{ kg}$$

$$v = \text{cte}$$

$$S = 2000 \text{ m}$$

$$\alpha = 10^\circ$$



$$\text{sen } 10^\circ = \frac{h}{2000} \Rightarrow h = 2000 \cdot \text{sen } 10^\circ = 347'29 \text{ m}$$

$$W = E_p = mgh = 1000 \cdot 9.8 \cdot 347'29 =$$

$$= 3403504'28 \text{ J} =$$

$$= 3403'50428 \text{ kJ}$$

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