ESCUELA PREPARATORIA CBTIS NÚM. 253 PLANTEL MIGUEL HIDALGO Y COSTILLA.

CENTRO BACHILLERATO TECNOLOGICO INDUSTRIAL Y DE SERVICIOS 253

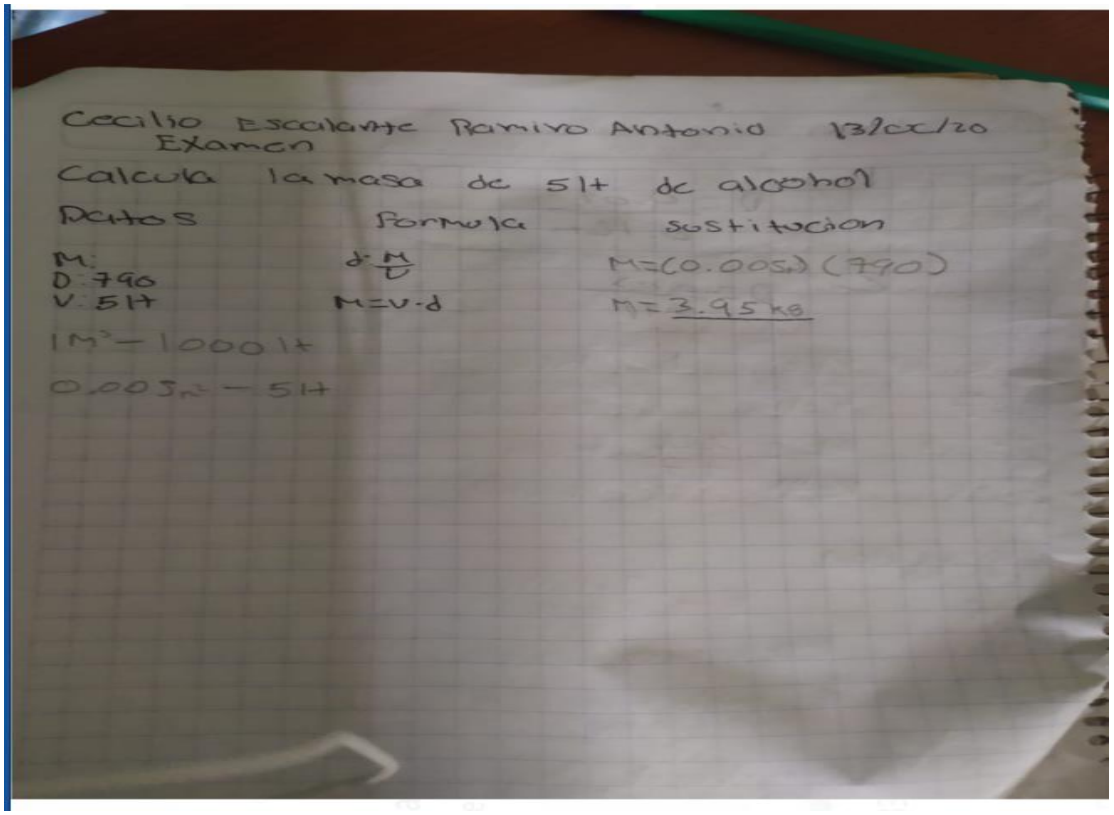
ASIGNATURA: FISICA

Actividades:EXAMEN

Maestro: GERARDO YAEL TADEO CUPUL

Alumno: RAMIRO ANTONIO CECILIO ESCALANTE

13/oct/2020



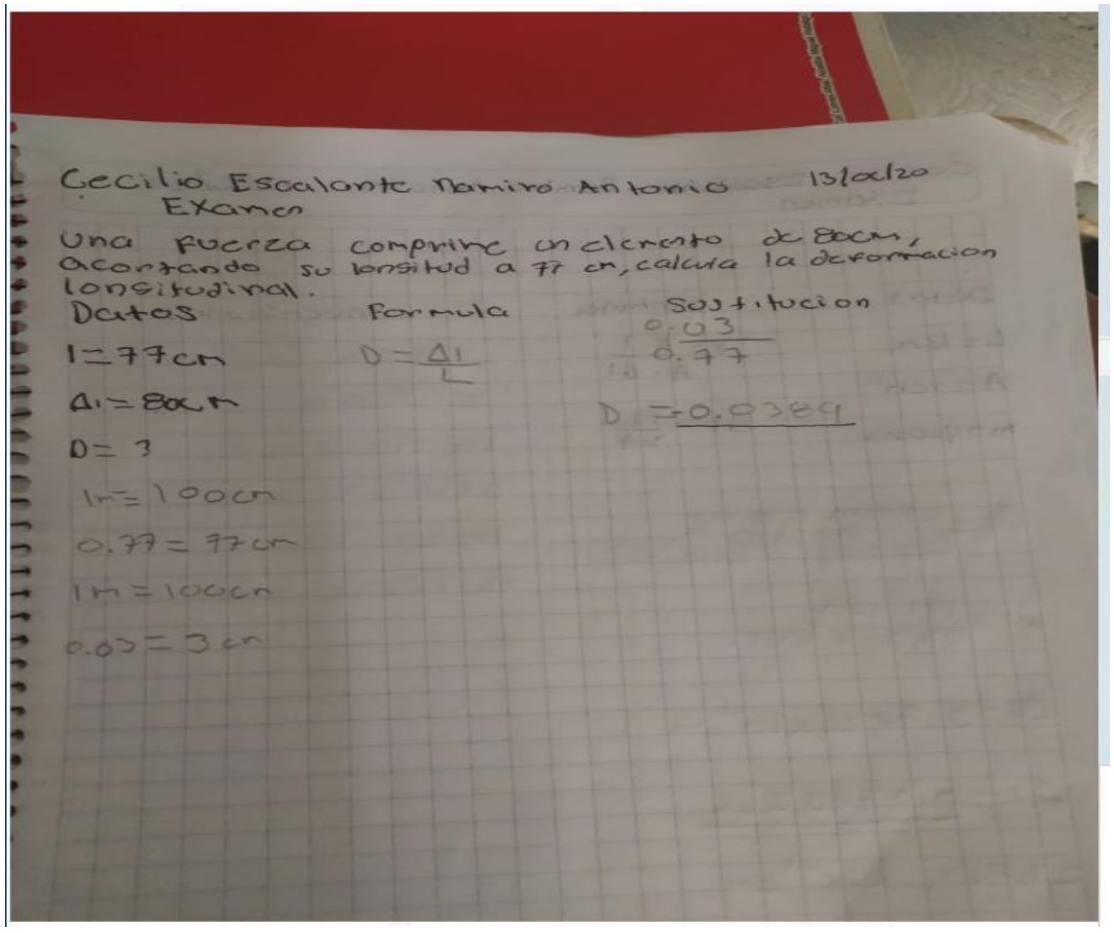
Cecilio Escalante Ramiro Antonio 13/oct/20
Examen

Calcula la masa de 5lt de alcohol

Datos	Formula	Sostitucion
M: D: 790 V: 5lt	$d=\frac{M}{V}$ $M=V \cdot d$	$M=(0.005_{m^3})(790)$ $M=3.95\,kg$

$1M^3 - 1000lt$

$0.005_{m^3} - 5lt$



Cecilio Escalante Ramiro Antonio 13/oct/20
Examen

Una fuerza comprime un elemento de 80cm, acortando su longitud a 77 cm, calcula la deformacion longitudinal.

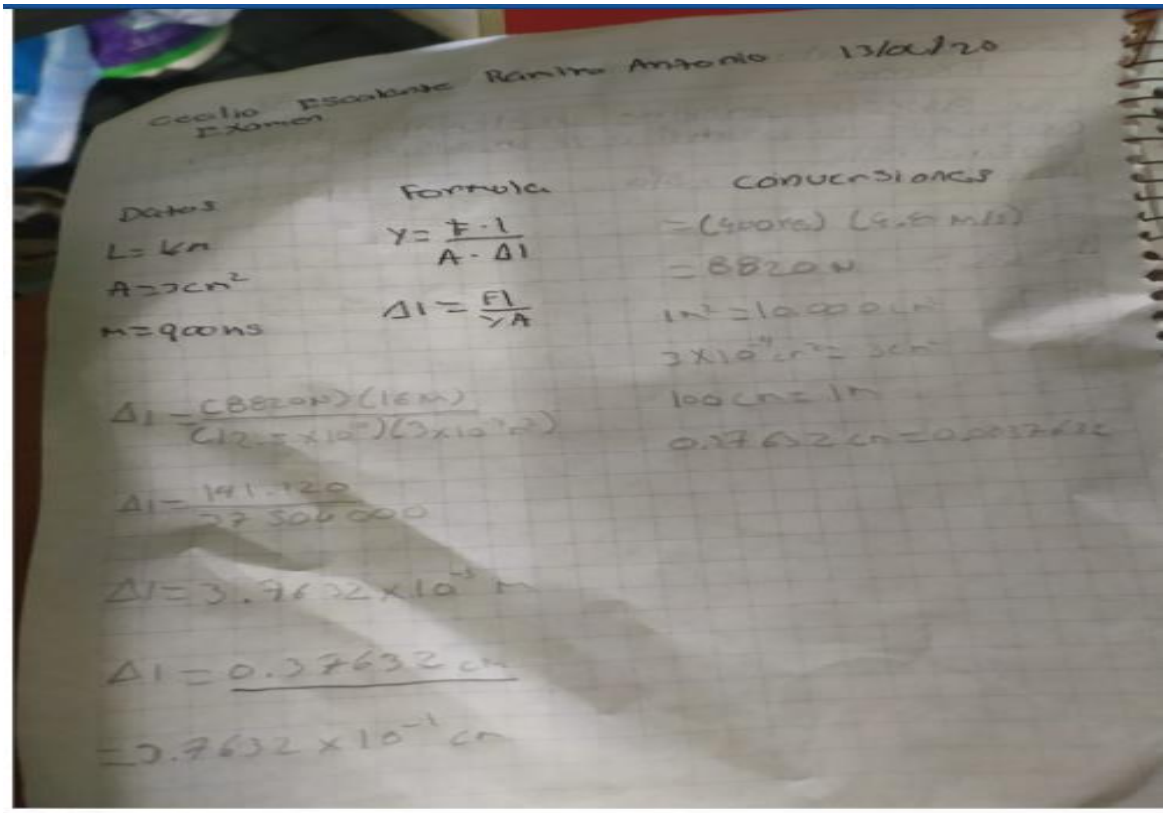
Datos	Formula	Sostitucion
$l=77cm$ $\Delta l=80cm$ $D=?$	$D=\frac{\Delta l}{L}$	$\frac{0.03}{0.77}$ $D=0.03896$

$1m=100cm$

$0.77=77cm$

$1m=100cm$

$0.03=3cm$



Cecilio Escobedo Ramiro Antonio 13/04/20
Examen

Datos
L = 6m
A = 3cm²
n = 900 N

Formula
$Y = \frac{F \cdot l}{A \cdot \Delta l}$

$\Delta l = \frac{Fl}{YA}$

$\Delta l = \frac{(8820\,N)(16\,m)}{(2.1 \times 10^{12})(3 \times 10^{-4}\,m^2)}$

$\Delta l = \frac{141120}{37\,800\,000}$

$\Delta l = 3.7632 \times 10^{-3}\,m$

$\Delta l = 0.37632\,cm$

$= 3.7632 \times 10^{-1}\,cm$

Conversiones
= (980 N)(9 m/s²)
= 8820 N
1 m² = 10 000 cm²
3 x 10⁻⁴ m² = 3 cm²
100 cm = 1 m
0.37632 cm = 0.0037632