

NOMBRE:

José Gabriel Mérida Nájera

Mariana Ovando Echeverria

MATERIA:

Resistencia de materiales

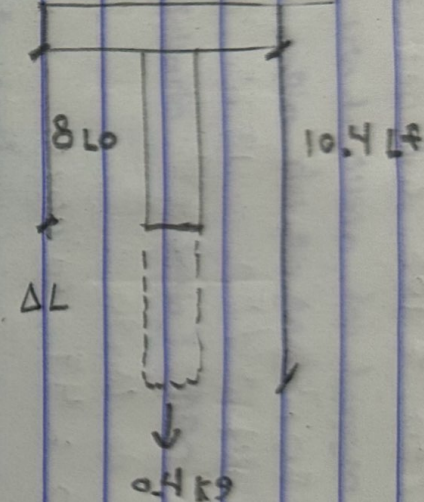
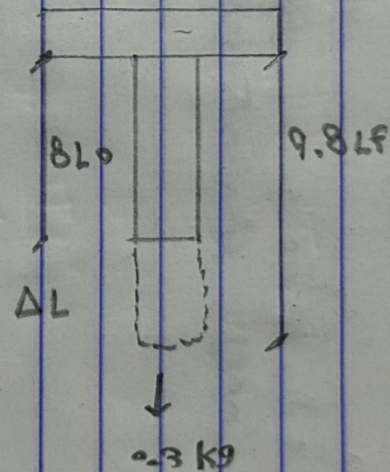
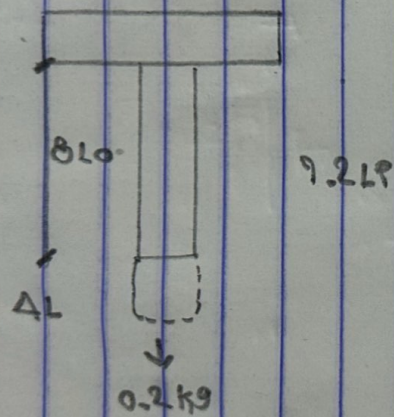
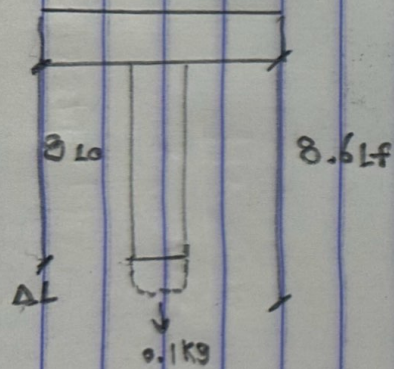
CUATRIMESTRE:

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FECHA:

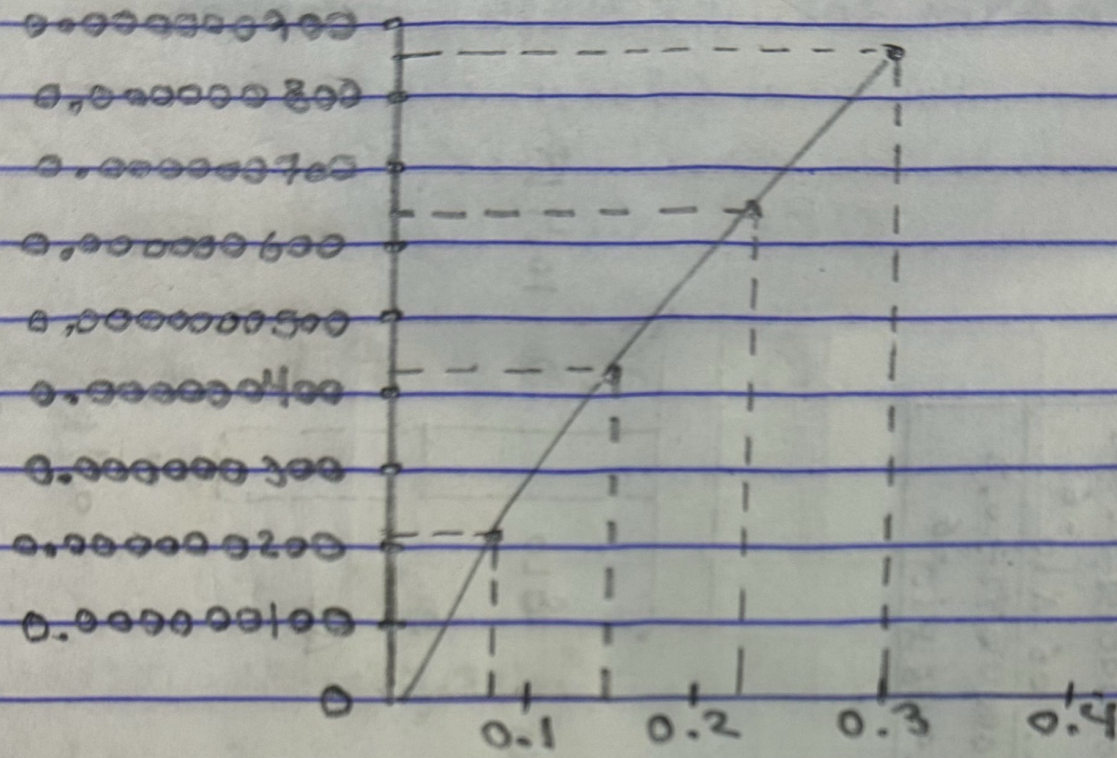
01/12/2024

Car 90	Fuel 200	$S = T/A$	$\rho = \Delta L/L_0$	$\gamma = S/\rho$
100g 0.1kg	$0.1kg \times 9.81 m/s^2$ $= 0.981 N$	$0.981 N = 4.5 \times 10^{-6}$ $= 0.000000218$	0.075	$0.000000218 / 0.075$ $= 2.906 \times 10^{-6}$
200g 0.2kg	$0.2kg \times 9.81 m/s^2$ $= 1.962 N$	$1.962 N = 4.5 \times 10^{-6}$ $= 0.000000436$	0.15	$0.000000436 / 0.15$ $= 2.906 \times 10^{-6}$
300g 0.3kg	$0.3kg \times 9.81 m/s^2$ $= 2.943 N$	$2.943 N = 4.5 \times 10^{-6}$ $= 0.000000654$	0.225	$0.000000654 / 0.225$ $= 2.906 \times 10^{-6}$
400g 0.4kg	$0.4kg \times 9.81 m/s^2$ $= 3.924 N$	$3.924 N = 4.5 \times 10^{-6}$ $= 0.000000872$	0.3	$0.000000872 / 0.3$ $= 2.906 \times 10^{-6}$



Esfuerzo

$\gamma_{32.906 \times 10^{-6}}$



Deformación