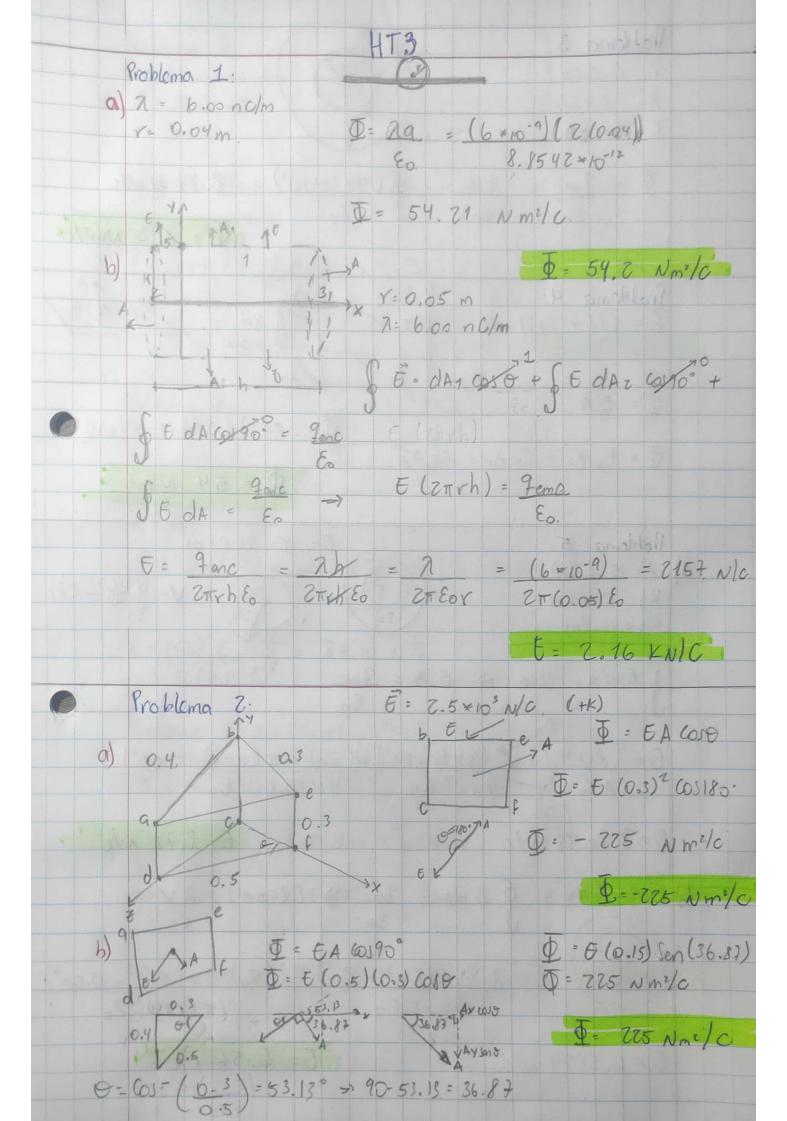
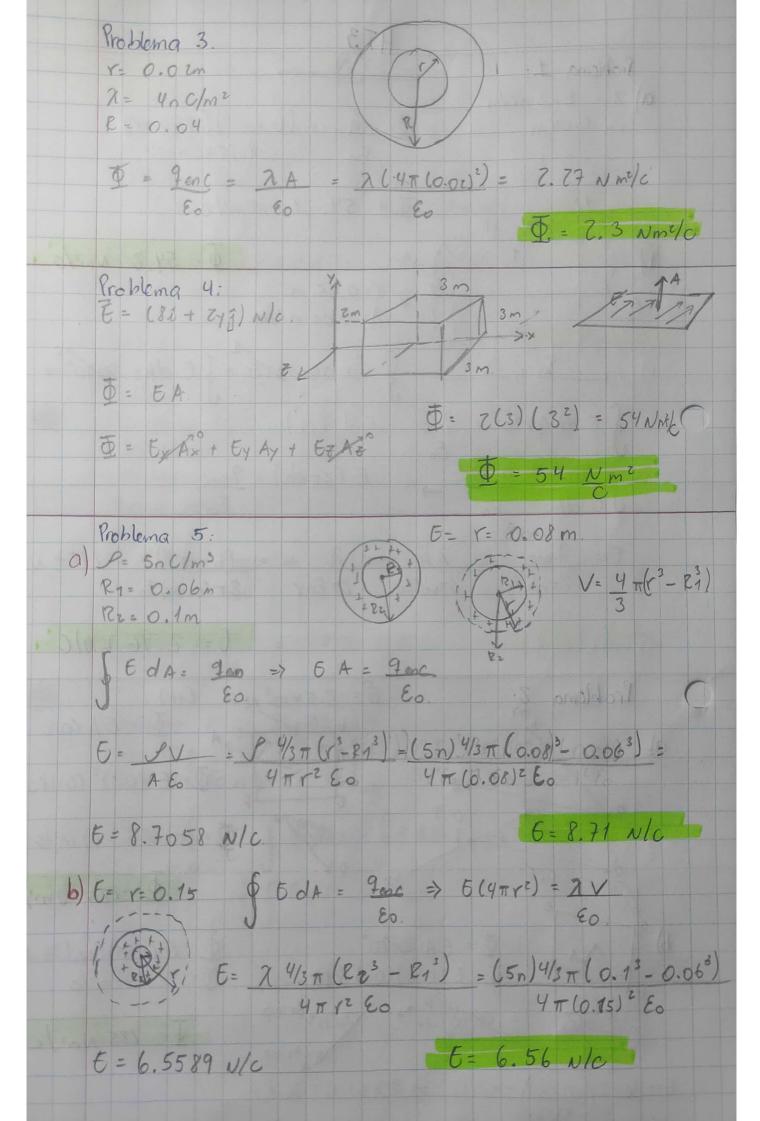
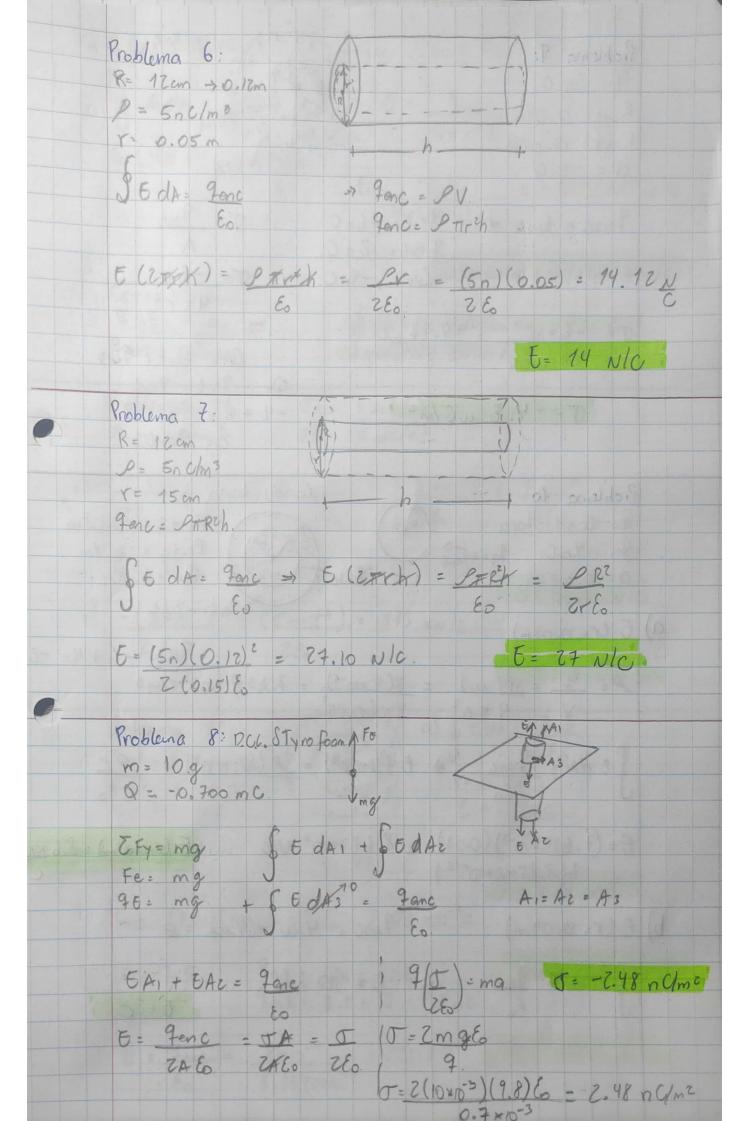
	UNIVERSIDAD DE SAN CARLOS DE GUATEMALA FACULTAD DE INGENIERÍA	FÍSICA 2 C	NOTA:
	ESCUELA DE CIENCIAS DEPARTAMENTO DE FÍSICA	1\$2023	
NINE TURNET	INGA. CLAUDIA CECILIA CONTRERAS FOLGAR DE ALFARO	AUX. ANGEL QUIM	

CARNÉ:	201709088	FECHA:	24/02/2023	HT 3
NOMBRE:	Leonel Antonio González García			111 3







Problema 9:	- +++ F== q=-4nc
9= 6nc	1+ F32 1.
Rint: 0.01m	- t E-9 =
Rest: 0.02m	- F Best + 2 - Strut
Q = -4nc	- Red + 2/2 - Erat
9anc = 6nc =	Fint: - 6nc t= 9mt.
	9 ext= 2nC A
	Qr = -4nC
1 1 1 1 9	4772
0= -6*10-9 = -	
47(0.01)2	QT- Fint + Fext
J= -4.8 m	0+ - 4nt: 9ext.
0 .0	7 - 4 + 6 = 9ext
	OE FOXO
Problema 10:	Conductora
No Conductora	(a) Rint b = 0.08 m
9= Yell Fa=+Va	
a= 0.05m	9 inter = 4 m) Q= -6 mC
	gest - zwc
a) & cr= 0.03m).	
	fext= -6+4=-2
P= 7 = 3(9 w)	$= \frac{3(4 \times 10^{-6})}{4 \times (0.05^3)} = 7.639 \times 10^{-3} \text{ c/m}^3$
V 97a	
PE 10 900	2 = 14 = 2x - 2140 - 12x - 25
o ar = tonc	=> 6 (4xx2) = P (4/3xxx) = PC E0 3 E0
	6 000
F= (7.639*10-3) (0-0	3) = 8.627*10° N/C. G (r=0.03m) = 8.6 KN
368.8542+10	
b) 6 (r= 0.09m)	9enc = 4 m + (4 m) = 0.
& 5 dA = genc Es.	=> == O N/C
J & 60.	E=0.

