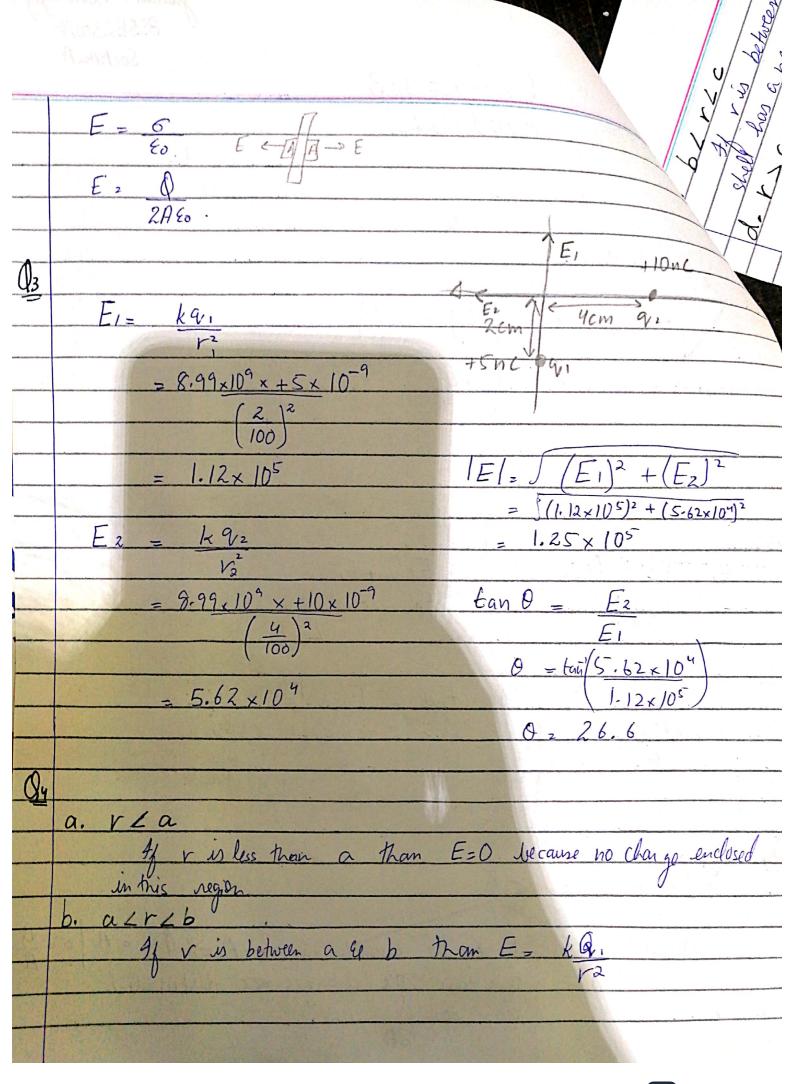
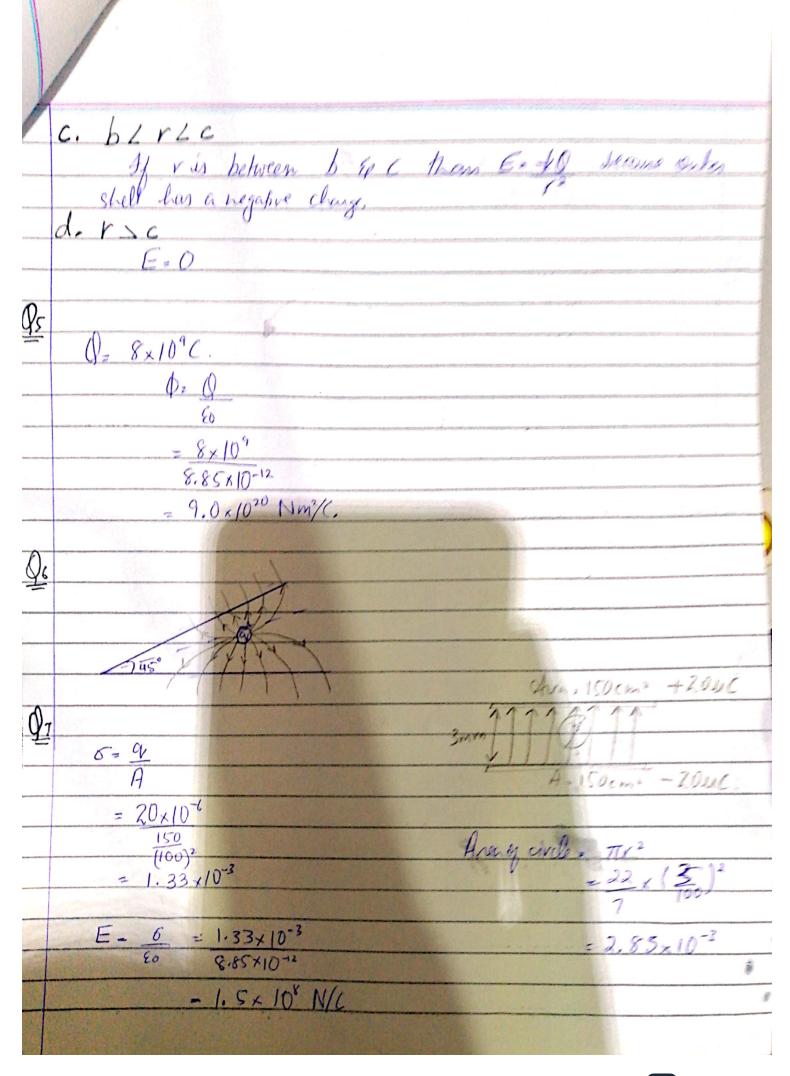
	Section A
	Assignment #3 Applied Physics.
Q	4 42
	The distance between me points
	± Q and +q.
	La [ 12   L] 2 9
	$r = \frac{1}{2} \left(\frac{2}{2}\right) \left(\frac{1}{2}\right)$
	$V_2$ $L^2 + L^2$
<u> </u>	J 4 9
	$r_2 \frac{2L^2}{W}$
	Y z L
	52.
	$F_{2} = k(+9)(+9) - F_{2} - +F_{1}$
	$\frac{(L)^2}{(S_2)^2}$ $F_1 = -2kQq$
	= kQq
	$\frac{1}{2} = \frac{R(19)}{\frac{L}{2}}$ Fret = $F_1 + F_2$
	$= 2kQq \qquad \qquad = -2kQq + 2kQq$
	L L
	= 0
Os.	
=	Ellehie field. Ez &?
	V Eb
	The charge enclosed by he cylinder is $\sigma A \Rightarrow 0 = \sigma A   \sigma =$
	The charge enclosed by he cylinder is $\sigma A \Rightarrow 0 = \sigma A   \sigma = 1$ but in this case. The charges are distributed. 0 = 0
	$co = \frac{Q}{2\theta}$





D= EA coso =  $1.5 \times 10^8 \times 2.83 \times 10^{-3} \times \cos(5)(5)$ . =  $4.2 \times 10^5 \text{ Nm}^2/c$ TCOS35 T = 3.0105 × 9.81 (0535 Tsin35 T = 36.1N Tsin35 = Fe. 36.1 sin 35 = 9, E. 36.15in35 = E 4.0107 5.16 N/C 2 E linear charges
dy = >dL