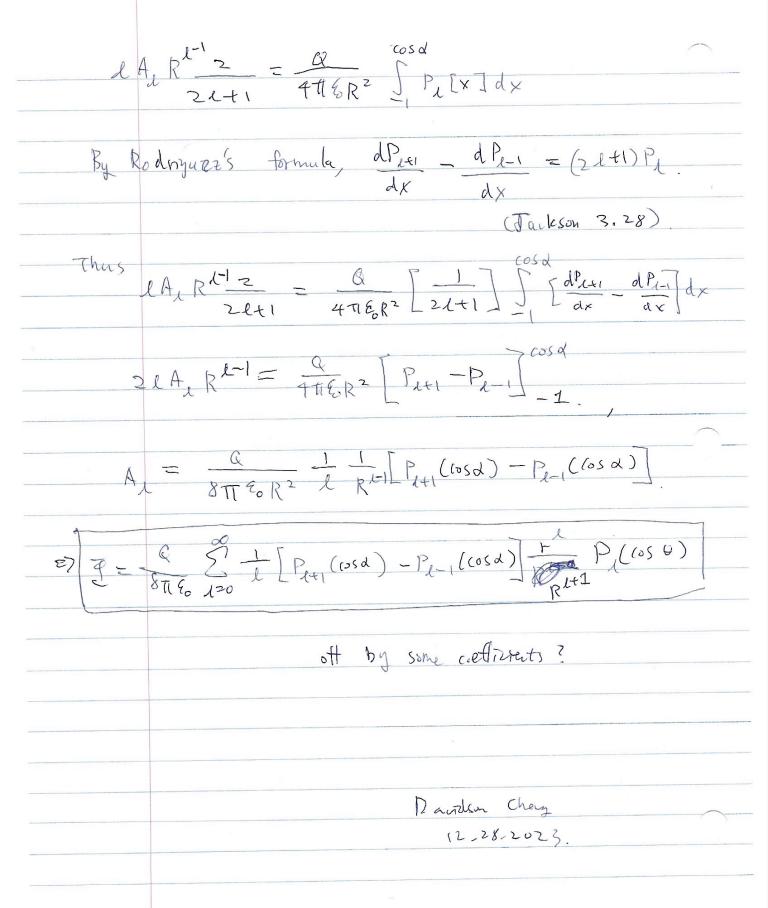
Jackson

3.2. (a) 
$$S = \frac{Q}{4\pi R^2}$$
,

 $S = -E_0 \frac{\partial \Xi}{\partial R} = -E_0 \frac{\partial \Xi}{\partial L + r} = E_0 \frac{\partial \Xi}{\partial r}$ 
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Dotatal autsch = Ellert + B, + (et1) ] Pelaso] 6(R) = -8, 2 = -8, 1 = P(00) = & Ber (1) Pe(1056) -4 29 3 = -8 8 R [-(1+1)] + P [(UST)] - E & B (1+1) Y P (core) = 4TFR EB (1+1) R Pa [(150) = 4 Ti 1) 2 20 Betos By (141) R 21+1 = G Pullost) Shop  $B_{\ell}[l+1]R = \frac{2}{2\ell+1} = \frac{\cos x}{4\pi n^2 \epsilon_0} P_{\ell}[x] dx.$ = qubis 21tl = [ dree dr. ] de B\_[141] R = Q [Peti [052] - Pi-[052]] B, = R 9 [PH [652] - PH [652]