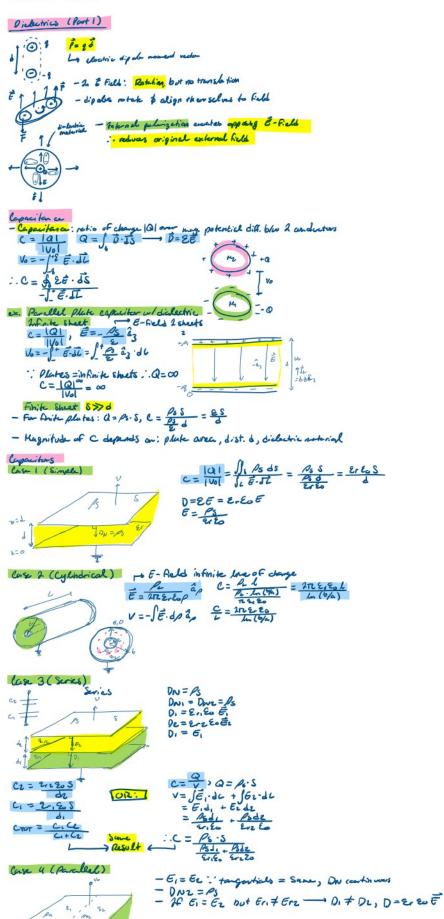
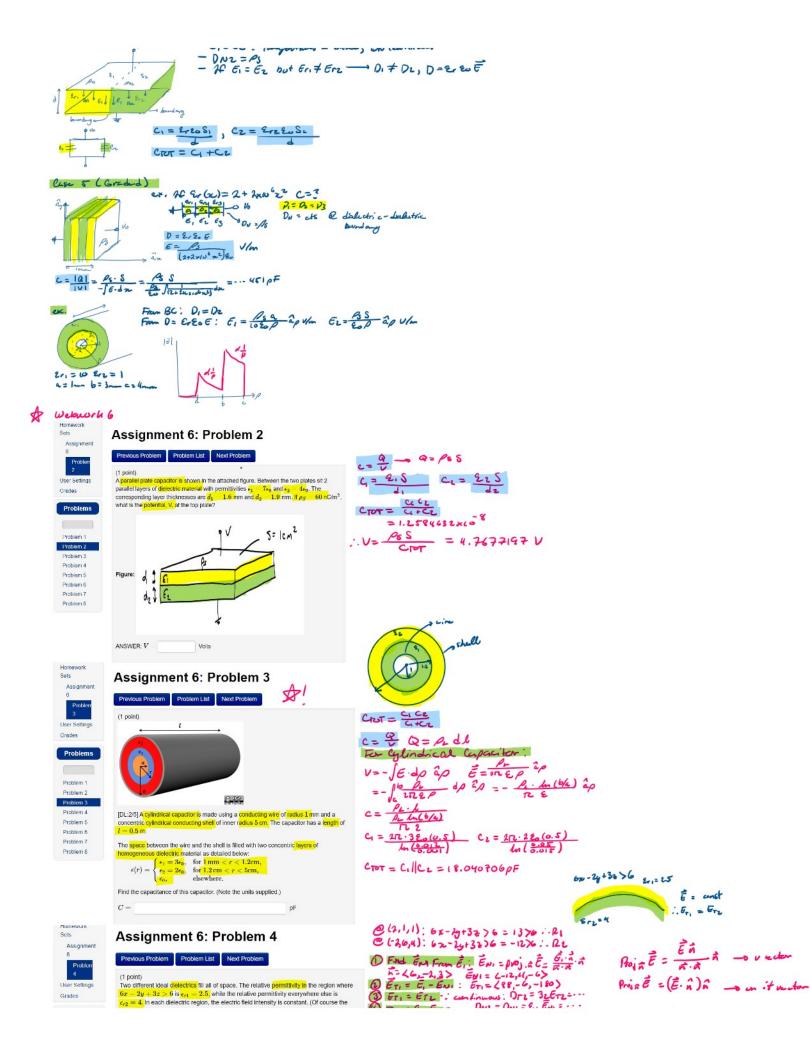
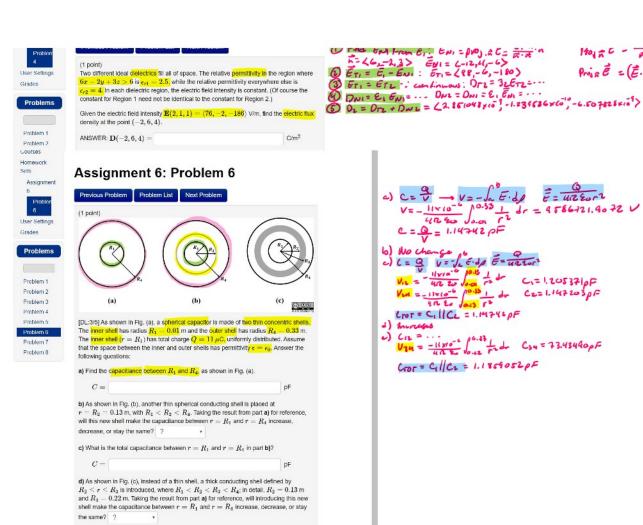
Dielectrics and Capacitors

April 27, 2020 12:45 PM







e) What is the total capacitance between $r=R_1$ and $r=R_4$ in part d)?

```
c) C = \frac{Q}{V} \longrightarrow V = -\int_{0}^{\infty} \frac{E}{E} d\rho
V = -\frac{11 \times (0^{-6})^{-5/3}}{40.90} \int_{0.00}^{0.5/3} \frac{1}{r^{2}} dr = 9.586421.40.72 V
C = \frac{Q}{V} = 1.14742 pF
Cror = CILICE = 1.14742 PF
 1) hurrages
 c) C12 = ...
     Uzu = - 11 100 - 10.23 1 - C34 = 73.43480pF
      Cror = Cil/Cz = 1.1859052 pE
```

100 A C - A.A

Projet = (E. n) n - on it water