Fo Chzz 10. N= dixxxi2 = 1.18 x12 c/w d Ex= dE coso alx= 1.12. R. ax 1 (x2+(0.06))2 E = \dE = \frac{\text{XR}}{\text{prex}} \left[ \frac{\text{great}}{\text{great}} \right] = 13.86 N/C 沿海水神子向 13. (a)  $\lambda = -4.23 \times 10^{-16} = -5.19 \times 10^{-14} \text{ c/m}$  $\frac{1}{\sqrt{x}} \left( \frac{-1}{x} \right) \frac{1}{a}$ E = (L+a) a PX x 2. E = 4. V8 x 13 N/C. (c) . 0 = -180°. (d)/13/47 £ = 1.5 > ×10 - 8 M/C.

(e) = k. 9 E = 1.52 x 10 - 8 /c.

41. N=-PE con0

Wa= Mf-U1=PE (mrs-w180) = 7:668 x 10 M.m.

$$\begin{split}
E &= \frac{6}{250} \left( 1 - \frac{2}{\sqrt{1+7}R^{3}} \right) \\
E &= \frac{6}{750}.
\end{split}
$$\begin{array}{l}
e &= \frac{6}{750} \\
e &= \frac{6}{750}.
\end{split}$$

$$\begin{array}{l}
e &= \frac{6}{750} \\
e &= \frac{8 \times 10^{-2} \text{m}}{\sqrt{1+7}R^{3}}
\end{split}$$

$$\begin{array}{l}
e &= \frac{6}{750} \\
e &= \frac{1}{2} \\
e &= \frac{2}{10} \\
e &=$$$$