Homework 6: 7.12, 7.15, 7.34

colenoid:
$$\phi = B \cdot A$$

$$\phi = \left(\mathcal{B}_0 \cos(\omega \epsilon) \stackrel{?}{\neq} \right) \cdot \left(\times \left(\frac{\alpha}{2} \right)^2 \stackrel{?}{\neq} \right)$$

$$\phi = \frac{\beta_0 \times \alpha^2}{u} \cos(w t)$$

$$I = \frac{\varepsilon}{R}$$

$$= \frac{\left(\frac{80 \times a^2 w}{y} \sin(wt)\right)}{R} = \frac{\left(\frac{80 \times a^2 w}{y} \sin(wt)\right)}{R}$$

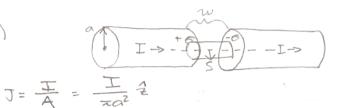
7.15) long colerand rea detection electric Relat?

$$\phi = \{ MonI(xs^2) \text{ inside} \}$$
Inside:

(MonI(xa²) outside

$$E = -u_{ons} dI diside$$

7.34)



sLa

$$B = \frac{\kappa_0}{2} \left(\frac{I}{\kappa a^2} \right) s$$

(1)