10. Electric Count:

Corrat = the much change finos post each second?

L=Ampère = A

$$DQ = iDt = (30 \times 10^{-4})(30s)$$

$$DQ = 9 \times 10^{-4}C$$

I moutant:

Total Amout of

11.
$$g = 4t^{3} + 5t + 6$$
a)
$$i = \frac{dg}{dt} = 12t^{2} + 5$$

$$10.941 = 860.94 = 12(.94)^2 + 5$$

b)
$$\int = \frac{i}{A} = \frac{15.6 \text{ A}}{1.96 \times 10^{4} \text{ m}^{2}}$$

$$= 79.6 \text{ kA/m}^{2}$$