Current & Voltage Questions

$$T = Q = \frac{18C}{24s} = \boxed{0.75 A}$$

$$I = Q \rightarrow Q = Iat = (2xA)(4.0s)$$

$$= 900C$$

$$= 900C$$

$$= 900C$$

#4)
$$n = 1.25 \times 10^{10}$$

 $6t = 0.50 \text{ s}$
 $e = 1.602 \times 10^{-19} \text{ C}$
 $I = ?$

$$I = Q = ne = (1.25 \times 10^{10})(1.60 \times 10^{-2})$$

$$= 4.005 \times 10^{-9} A$$

$$= [4.0 nA]$$

$$T = Q \rightarrow \Delta t = Q = 8.00 = [20.5]$$

$$D = D \rightarrow D = D \rightarrow D = [20.5]$$

$$t = 1.0 s$$
 $t = 0.50 A$
 $e = 1.600 \times 10^{-19} C$
 $n = ?$

$$= 3.1211 \times 10^{18} e^{-1}$$
$$= 3.1 \times 10^{18} e^{-1}$$