

# Jan Shi Yong D.C Circuits Ass

Subject:

Date: 13/5/04

$$\begin{aligned} \text{1a)} \quad I &= \frac{72}{12} \\ &= 6.0 \text{ A} \end{aligned}$$

$$\begin{aligned} \text{1b)} \quad \text{Charge} &= 6.0 \times 20 \times 60 \\ &= 7200 \text{ C} \end{aligned}$$

$$\begin{aligned} \text{1c)} \quad \text{Energy} &= 72 \times \frac{20}{60} \\ &= 24.0 \text{ J} \end{aligned}$$

$$\begin{aligned} \text{1d)} \quad R &= \frac{12}{6.0} \\ &= 2.0 \Omega \end{aligned}$$

1b) 1.

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