3



GIVEN

LOV buttery supply, constant current 0.5 A to a resistor (\$12) for 30 min

FIND

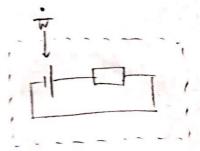
(a) rssistance &

(6) Energy transfer by Work in 17

80ta720N  $\overline{V}$ = IR  $\overline{W}$ = Pt  $\lambda$ = time

Closed system

P=VI P= power W= work



$$A = \frac{1}{1} = \frac{10 \text{ V}}{0.5 \text{ A}} = 20 \Omega$$