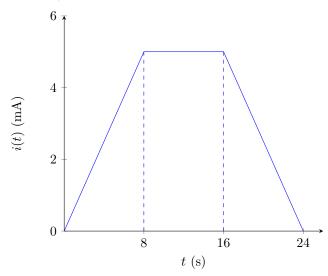
1. Express the following qua	antities in Engineering Notation	with metric	prefixes, and 3 significant digits:
(a) 12,500 W		(a) =	
(b) 0.0041 A		(b) =	
(c) $39,000 \Omega$		(c) =	
(d) 0.000065 V		(d) =	
(e) $4.72 \times 10^{-8} \text{ J}$		(e) =	
			nge appreciably during discharge: st resistance that can be connected
	$\mathrm{R}\epsilon$	esistance =	
(b) If instead you attach fully charged battery		er would it	consume and how long would the
Power =		Time =	

3.	Your Colorado Springs Utilities energy bill is $$250$ for last month (31 days) with an energy consumption of $4,800$ kWh.		
	(a) What is the cost of energy at your location (ϕ/kWh) and what is your average power draw (kW)?		
	$\mbox{Cost} = \begin{tabular}{ l l l l l l l l l l l l l l l l l l l$		
	Current =		

4. Given the following current waveform, determine how much charge in Coulombs has accumulated at 24 seconds (assume the current is zero for all negative time).



Charge =