Name_		per	date
<u>APES</u>	S Aluminum Can Recycling Ma	<u>th</u>	
Data:			
	Number of cans per grocery sack 164		
	Weight of the sack in pounds 5.5 lbs		
	Energy required to produce one aluminum can	= <u>1.60 kW</u>	<u>/hr/can</u>
Calcula	ations: Show work in blank provided.		
a.	Calculate the weight of one can		
b.	The redemption center pays \$1.05 per pound of the grocery sack of cans is worth.	cans. Cal	culate how much money
c.	A family of four may consume four six packs of week. Calculate how many weeks it would take	_	-
d.	Calculate how many kWhr of energy went into sack.	the produ	ction of the cans in the
e.	Calculate how much energy is saved by recycling the energy is saved by recycling.	ng the can	s assuming that 95% of
f.	Calculate how many days of home electrical use saved assuming that the average home uses 18k	-	ented by the energy