6. Compute the cost at 5.0 ¢ / kWh of operating an electric motor for 8.0 hours, which takes 15.0 amps at 110.0 volts.

$$\frac{15.0 \ C}{1 \ sec} \times \frac{110.0 \ J}{C} = 1650 \ \frac{J}{sec} = 1650 \ watt \times \frac{1 \ kWatt}{1000 \ watt} = 1.65 \ kWatt \times 8.0 \ hr$$

$$= 13.2 \ kWhr \times 5.0¢ = \boxed{.66¢}$$

7. How long would it take to deposit 100. grams of $Al_{(s)}$ from an electrolytic cell containing Al_2O_3 in