1. A 230 volt 1400 watt pool pump runs continuously. If the cost of electricity is $.08 per kWH, what does it cost to run this motor for a month?

Use the worksheet on page 11 to show the given/formula/substitution/solution.

2. A pool heater is 3000 watts. Is runs for an average of 6 hours per day. How much does it cost to run this pool heater for three months if electricity is $.09 per kWH?

Use the worksheet on page 11 to show the given/formula/substitution/solution.

3. A pizza parlor has two ovens. The larger is 16000 watts. The other is 12000 watts. Both ovens run continuously for four hours every day of the week. What is the cost to run these ovens for a 30 day month if electricity is $.10 per kWH?

Use the worksheet on page 11 to show given/formula/substitution/solution.

4. A sewer lift station has twin 10 HP motors. The motors alternate 24 hours per day. If electricity is priced at $.14 per kWH, what is the cost to run these pumps for a year?

Note : HP x .7457 = kWH
Use the worksheet on page 11 to show given/formula/substitution/solution.

5. An electric heater is rated 196 watts. If this appliance is run for 12 hours, what is the total cost if the rate is $.12 per kWH.

Use the worksheet on page 12 to show given/formula/substitution/solution.

6. A 175 watt mercury vapor light averages on for 12 hours per day, year-around. What does it cost for a 365 day year if the cost is $.115 per kWH?

Use the worksheet on page 12 to show given/formulas/substitution/solution.

7. An electrolysis table tank in a silver recovery plant is never turned off. What does it cost to run this 121.8 watt load if electricity costs $.09 per kWH?

Use the worksheet on page 12 to show given/formula/substitution/solution.

8. What does it cost to bake a batch of chocolate chip cookies that take 15 minutes to bake in a 4500 watt oven if electricity costs $.12 per kWH?

Use the worksheet on page 12 to show given/formula/substitution/solution.