

4. (a) The cost is  $(100 \text{ W} \cdot 8.0 \text{ h} / 2.0 \text{ W} \cdot \text{h}) (\$0.80) = \$3.2 \times 10^2$ .

(b) The cost is  $(100 \text{ W} \cdot 8.0 \text{ h} / 10^3 \text{ W} \cdot \text{h}) (\$0.06) = \$0.048 = 4.8 \text{ cents}$ .