NASC 103 Physical Science Unit Conversion Practice

Convert the following using conversion factors from the inside front cover of the textbook. Answers are given below.

- 1. How many cm are in 36 inches?
- 2. A 60 W light bulb uses how many Btu/hr?
- 3. 4500 therms of natural gas corresponds to how many Btu?
- 4. A 3.48×10^6 square feet field is how many acres?
- 5. A 10 MW power plant produces how many kW of power? How many W? How many hp?
- 6. A 2 liter bottle of pop is how many gallons?
- 7. The average distance from the earth to the sun is 1.5×10^{11} meters. How many feet is this? How many miles?
- 8. 99.7 QBtu is how many Joules of energy?
- 9. 61 bbl of crude oil corresponds to how many gallons of oil? How many liters?
- 10. How many seconds are in a day? How many seconds are in a century?