Answer the following questions.

1) Explain why there is a difference between $-6^2$ and $(-6)^2$ in a few sentences.

2) The length $L$ of a rafter on a shed is calculated using the formula below. If $H_2$ is 13.5 ft and $H_1$ is 7.0 ft and $W$ is 12 ft, calculate the rafter length, not including the overhang. Round to 2 significant digits.

$$L = \sqrt{(H_2 - H_1)^2 + W^2}$$

3) Gas currently costs $.94 per liter in Canada. Assuming a 1 to 1 conversion between the money, what is the cost of a gallon of gas in Canada?

4) A patient receives 14.5 cc’s (cm³) of a specific drug. How many cubic inches of the drug have the received?

5) If you own 545 acres of land and are told the taxes are $.045 per square foot, what is the total taxes for the land?