

Question 1

A county collects property taxes on the assessed value of property, which is 60 percent of its actual value. For example, if a house is valued at \$158,000.00 its assessed value is \$94,800. This is the amount the homeowner pays tax on. If the tax rate is \$2.64 for each \$100.00 of assessed value, the annual property tax for this house would be \$2502.72. Write a program that asks the user for the actual value of a piece of property and the current tax rate for each \$100.00 of assessed value. The program should then calculate and display how much annual property tax the homeowner will be charged for his property.

Question 2

A particular employee earns \$32,500 annually. Write a program that determines and displays what the amount of his gross pay will be for each pay period if he is paid twice a month (24 pay checks per year) and if he is paid bi-weekly (26 check per year).

Question 3

#include <cmath>

The Pythagorean Theorem, also called the Pythagorean Property, states that the sum of the squares of the lengths of the sides of any right triangle is equal to the square of the length of the hypotenuse as shown in the diagram below, $a^2 + b^2 = c^2$.

Write a program, using the math library function sqrt, to calculate and print the hypotenuse of any right triangle given the sides, a and b.