

## Quiz #2

**Name:**

This quiz is based on question number 7, on page 207 and review question number 7, page 206. It requires that you compute taxes based on gross income and the number of dependents. You do not have to waste time declaring constants.

1. Write the function **declaration** for a function that takes gross income and number of dependents as parameters and returns the tax due. Name the function **ComputeTax**.
2. Implement the function **ComputeTax** so that it computes the tax due. **ComputeTax** must first compute the *net income*, which is determined by subtracting, from the gross income, an amount equal to 2000 dollars for each dependent. The tax is then computed on the basis of net income as follows:
  - If the net income is less than or equal to \$24,000, pay taxes at a rate of 18 percent.
  - If the net income is greater than \$24,000, but less than or equal to \$58,150, pay taxes at a rate of 18 percent of the first \$24,000 and 28 percent on the amount in excess of \$24,000.
  - Otherwise, pay taxes in the amount that would be due for \$58,150 (see prior formula), plus 31 percent on the amount in excess of \$58,150.
3. Write, on the other side of this page, a **main** program, with any **#include** directives that you need, that prompts the user to enter the gross income, number of dependents, and amount of tax already paid. It will then compute the tax bill, and print the difference between the tax bill and amount already paid, followed by the message “SEND CHECK” or “REFUND” depending on whether this difference is positive or negative.