Calling Functions Exercise

The purpose of this exercise is to write C++ statements to call existing functions. Given the prototype for an existing function, it should be a straightforward matter to call it correctly.

Given the following function prototypes, write the necessary C++ statement to perform each task stated.

This assignment needs to be completed with working statements in a C++ program. The actual functions are in a header file attached to this assignment. Download the file, store it somewhere on your machine, and include it in your C++ program using an include statement similar to the following. Note that the backslash character in the path is doubled. This is not a typo.

```
#include "C:\\funcs.h"
```

Remember: the functions are provided, and they already know how to perform these tasks. Your goal is to just call the appropriate functions correctly. Function Prototypes:

```
//Determine if a student is eligible for honors

bool EligibleForHonors(double GPA, int HoursCompleted);

//Determine the specific honor a student is eligible for

string Honors(double GPA, int HoursCompleted);

//Convert the supplied US Dollar amount into Euros

double DollarsToEuros(double Dollars);

//Convert the supplied Euro amount into US Dollars

double EurosToDollars(double Euros);

//Convert an imperial distance, supplied as feet and inches, into meters

double MetricDistance(int Feet, int Inches);

//Compute the gross pay for a person, given their number of hours worked,
//their hourly rate, and their eligibility for overtime.

double GrossPay(double Hours, double Rate, bool EligibleForOvertime);

//Print the specified number of lines of asterisks.

void AsteriskLines(int Count)

//Increase Salary by Percent

Raise(double& Salary,double Percent)
```

Tasks:

1. Determine the equivalent length in meters of 252 Feet 9 Inches.
2. Determine how many Euros is equivalent to $100.00.
3. Determine if a student with a GPA of 3.77 and 17 hours complete is eligible for any honors. If so, determine what specific honor the student is eligible for.
4. Print 5 lines of asterisks on the screen;
5. Determine the Gross Pay of an overtime-eligible employee working 45 hours @ $7.25/hr.
6. Repeat the above for an employee who is not eligible for overtime.
7. If your current weekly salary is $1234.50, display what it would be if you get a 4% raise.