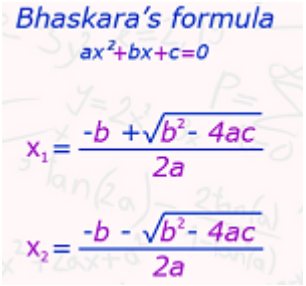
HomeWork 3

1. Write a C program that accepts 4 integers p, q, r, s from the user where q, r and s are positive and p is even. If q is greater than r and s is greater than p and if the sum of r and s is greater than the sum of p and q print "Correct values", otherwise print "Wrong values".

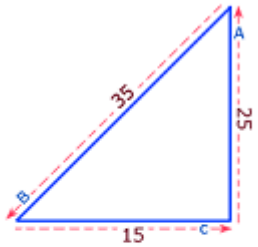
2. Write a C program to print the roots of Bhaskara's formula from the given three floating numbers. Display a message if it is not possible to find the roots.



3. Write a C program that reads an integer and check the specified range where it belongs. Print an error message if the number is negative and greater than 80.
   Specified Range: [0, 20], [21, 40], [41, 60], [61, 80]

4. Write a C program that reads three floating values and check if it is possible to make a triangle with them. Also calculate the perimeter of the triangle if the said values are valid.

Perimeter of the triangle



Perimeter 25 + 35 + 15 = 75

Triangle formula :- First two sides is greater than the third

A + B > C	A + C > B	B + C > A
25 + 35 > 15	25 + 15 > 35	35 + 15 > 25
60 > 15	40 > 35	50 > 25
True	True	True

25, 35, 15 makes a triangle

5. Write a C program that reads two integers and checks whether they are multiplied or not.

6. Write a C program that reads an integer between 1 and 12 and print the month of the year in English.

7. Write a C program to check whether a given integer is positive even, negative even, positive odd or negative odd. Print even if the number is 0.

8.

Write a C program to read the coordinate(x, y) (in Cartesian system) and find the quadrant to which it belongs (Quadrant -I, Quadrant -II, Quadrant -III, Quadrant -IV).

Note: A Cartesian coordinate system is a coordinate system that specifies each point uniquely in a plane by a pair of numerical coordinates. These are often numbered from 1st to 4th and denoted by Roman numerals: I (where the signs of the (x,y) coordinates are I(+,+), II (−,+), III (−,−), and IV (+,−

9. Write a program that reads two numbers and divide the first number by second number. If the division not possible print "Division not possible".

10.