using System;

namespace Methods

{

class Program

{

static void Main(string[] args)

{

double side1 = InputVal("side1");

double side2 = InputVal("side2");

double side3 = InputVal("side3");

isRightTriangle(side1, side2, side3);

}

static double Largest(double n1,double n2, double n3)

{

if (n2 > n1)

n1 = n2;

if (n1 < n3)

n1 = n3;

return n1;

}

static bool isRightTriangle(double x,double y, double z)

{

double total;

double t =0;

if ( x < y)

{

t = x;

x = y;

y = t;

}

if (x < z)

{

t = x;

x = z;

z = t;

}

total = y \* y + z \* z;

x = x \* x;

if (x == total)

{

Console.WriteLine("These numbers create a right triangle.");

return true;

}

else

{

Console.WriteLine("These numbers do not create a right triangle.");

return false;

}

}

static double InputVal(string item)//pos double

{

double x = 0;

string x\_str;

bool valid = true;

do

{

Console.WriteLine("Enter " + item + " :");

x\_str = Console.ReadLine();

x = 0;

valid = double.TryParse(x\_str, out x);

if (!valid)

Console.WriteLine("Invalid input, has to be a number. Please try again.");

else if (x <= 0)

{

Console.WriteLine("Invalid input, has to be a positive number. Please try again.");

}

else;

} while (!valid || x <= 0);

return x;

}

}

}