CSC2430 Triangle Lab: Written by Chandler Stevens

Default triangle: [3, 4, 5]

The area of the triangle is 6

Triangle is a right triangle

Triangle is not an equilateral triangle

Triangle is not an isosceles triangle

t2(5, 4, 3) triangle: [5, 4, 3]

The area of the triangle is 6

Triangle is a right triangle

Triangle is not an equilateral triangle

Triangle is not an isosceles triangle

t3(4, 5, 3) triangle: [4, 5, 3]

The area of the triangle is 6

Triangle is a right triangle

Triangle is not an equilateral triangle

Triangle is not an isosceles triangle

t4(4, 6, 4) triangle: [4, 6, 4]

The area of the triangle is 7.93725

Triangle is not a right triangle

Triangle is not an equilateral triangle

Triangle is an isosceles triangle

Triangle constructor(2, 4, 2) - illegal side combination. Forcing default

t5(2, 4, 2) triangle: [3, 4, 5]

The area of the triangle is 6

Triangle is a right triangle

Triangle is not an equilateral triangle

Triangle is not an isosceles triangle

Assigned t5=t4 triangle: [4, 6, 4]

The area of the triangle is 7.93725

Triangle is not a right triangle

Triangle is not an equilateral triangle

Triangle is an isosceles triangle

On-The-Fly assigned Triangle(3, 3, 3) triangle: [3, 3, 3]

The area of the triangle is 3.89711

Triangle is not a right triangle

Triangle is an equilateral triangle

Triangle is not an isosceles triangle

Changed sideB triangle: [3, 4, 3]

The area of the triangle is 4.47214

Triangle is not a right triangle

Triangle is not an equilateral triangle

Triangle is an isosceles triangle

Changed sideA triangle: [2, 4, 3]

The area of the triangle is 2.90474

Triangle is not a right triangle

Triangle is not an equilateral triangle

Triangle is not an isosceles triangle

Changed sideC triangle: [2, 4, 4]

The area of the triangle is 3.87298

Triangle is not a right triangle

Triangle is not an equilateral triangle

Triangle is an isosceles triangle

Created t6 and assigned t6=t4 triangle: [4, 6, 4]

The area of the triangle is 7.93725

Triangle is not a right triangle

Triangle is not an equilateral triangle

Triangle is an isosceles triangle

Press any key to continue . . .