

Heron's Formula

Heron's formula is credited to Heron of Alexandria in the 1st century A.D and is used to calculate the area of a triangle.

Heron's Formula

You can discover the area of a triangle using Heron's Formula.

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Heron's Formula

Triangle

Area = $\sqrt{s(s-a)(s-b)(s-c)}$

where $s = \frac{1}{2}(a+b+c)$.

Alg Decimal Cplx Deg

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where $s = \frac{1}{2}(a+b+c)$.

Try it!

4.319575 \to a

5.935484 \to b

5.722824 \to c

$\frac{1}{2}(a+b+c) \to s$

7.9889415

Area =

$\sqrt{s(s-a)(s-b)(s-c)}$

11.67949965

Alg Decimal Cplx Deg