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SPECIAL PYTHAGOREAN TRIANGLES WITH AREA AS TRIANGULAR NUMBERS

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Abstract

To investigate the existence of Special Pythagorean Triangles, where their areas are Triangular numbers, is the main purpose of this paper. Cases, when one leg and a hypotenuse are consecutive, are also discussed. When two legs are consecutive and their areas are Triangular numbers are investigated. A few interesting results are observed.

Key Words : *Pythagorean Triangles, Triangular Numbers.*

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