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**Making Pythagoras count.**

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Summary: This article discusses Pythagoras' theorem. Typically, it is introduced to students in the junior years of secondary school. Students consolidate their understanding of the theorem by using it for finding missing sides of triangles and for checking whether a given triangle has a right angle. But the topic often seems to dry up rapidly once these few practical applications are exhausted. The purpose of this article is to suggest some ways to enliven the topic of Pythagoras' theorem, at least for senior secondary students. The author investigates the concepts of Pythagorean triples and making complex equations much simpler for students to understand. A problem-solving activity is presented. (ERIC)

*Classification:* F64 G44

*Keywords:* secondary school students; geometric concepts; equations; professional personnel; mathematics instruction; mathematics activities; numbers; Pythagorean triples