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The presenters in this talk will share ideas on Pythagorean triples that have been insightful and useful in teaching topics in courses ranging from mathematics content courses for elementary teachers to courses in mathematics for liberal arts for non-mathematics majors; for mathematics majors, some of these ideas have been employed in discrete mathematics, linear algebra, and number theory. Many of these ideas have also been used as topics in courses for in-service public-school mathematics teachers. (Received September 19, 2011)