1125-VN-2079    **Sungkon Chang***, Armstrong State University, Department of Mathematics, 11935 Abercorn St, Savannah, GA 31419. *Generalization of Pythagorean Triples.*

The problem of parametrizing Pythagorean triples can be generalized as we change the 90-degree angle to other angles such as 60 degrees. The sides of triangles with the angles of 60 degrees or 120 degrees are called Eisenstein triples when they are all integers. We introduce more examples of triangles with integer sides and a fixed angle, and their parametrizations. (Received September 19, 2016)