1067-11-1847 **Marcus D. Ashford** and **Katrina K. A. Cunningham*** (katrina_cunningham@subr.edu), Department of Mathematics, 156 Elton C. Harrison St, Baton Rouge, LA 70813. *In Search of Pythagorean Triples.*

Given an integer $x > 2$, we propose a formula that allows one to find integers $y > 0$ and $z > 0$ in terms of x and a divisor either of x^2 or of $\frac{x^2}{4}$ so that (x, y, z) is a primitive Pythagorean triple. Moreover, for each positive integer $x > 2$, we show how to find a Pythagorean triple having x as one of its elements. (Received September 22, 2010)