## Lythagorean Triples

3,7,9 · largest side is hypotenuse replace "c" with hyp.

$$\sigma_9 + \rho_9 = c_9$$

$$(3)^{+}(7)^{2}=(9)^{3}$$

$$9 + 49 = 81$$

Since the LHS = RHS

this is not a

zythagorean triple

## Ex. 2

$$(5)^{2}+(6)^{2}=(6)^{2}$$
 this  $\overline{12}$  a pythagorea

$$35 + 144 = 169$$

Since the LHS = RHS

(5) + (13) = (13) pythagorean triple











