

# Pythagorean Triplets - Solution

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We can use euclids formula to generate pythagorean triplets. Euclids formula is given by  $a = m^2 - n^2$ ,  $b = 2mn$  and  $c = m^2 + n^2$ , which gives a pythagorean triplet for any two natural numbers  $n < m$ . We see that  $(a, b, c)$  forms a primitive triplet if  $m, n$  are co-prime. We can now generate the pythagorean triplets using this formula.