
Threes

We are looking for sets of positive integers that satisfy the following conditions:

$$x^2 + y^2 = 1 + z^4$$

where $z < x < y$, and x , y , and z have no factors in common.

Task

Write a program to:

1. Find the first 70 sets ordered by increasing x , for x , y and z which satisfy the above.
2. Find the first 70 sets ordered by increasing z , for x , y and z which satisfy the above.

(1 point, Individual)