



Problem of the Week

Problem E

Terry's Triangles

Terry is drawing isosceles triangles with side lengths a , b , and c such that

$$a = y - x$$

$$b = x + z$$

$$c = y - z$$

Where x , y , and z are positive integers and $x + y + z < 10$.

Find all the possible triples (a, b, c) that satisfy this.

