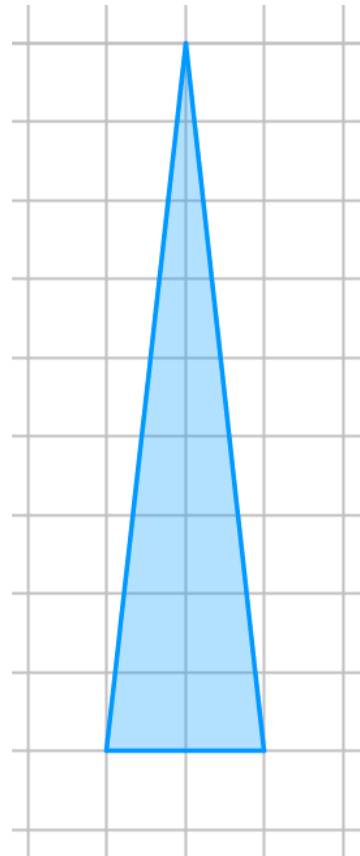This question is about **isosceles** triangles with an **area of 9 square units.**

Each vertex of the triangle must be at a grid point of a square grid, so all the vertices will have **whole number coordinates**.

One of the vertices must be at the point **(20, 20)**.

How many different triangles satisfy these four conditions?

Try to find them all.

Can you explain how you know that you have found them all?