February 4th

How many isosceles triangles can you find in which the difference between two unequal angles is 36°?

One angle is x and the other is x-36

Triangle 1:

x,x, x-36

Hence 3x – 36 = 180 = > x = 72

Therefore angles are **72^o, 72^o and 36^o**

Triangle 2:

x-36, x-36, x

Hence 3x – 72 = 180 = > x = 84

Therefore angles are **48^o, 48^o and 84^o**