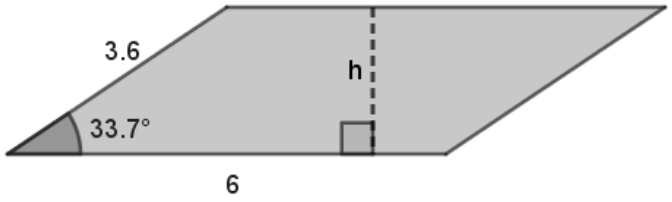
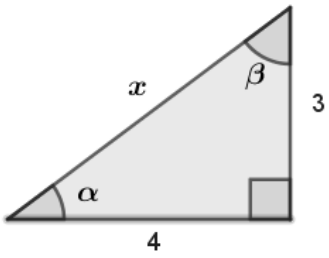
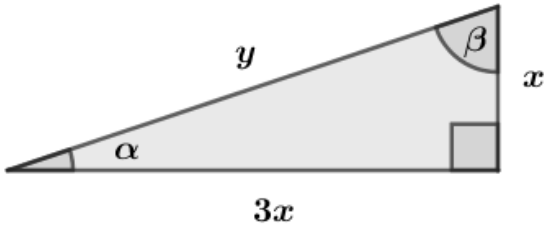
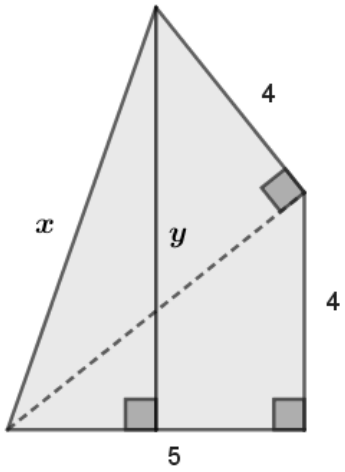
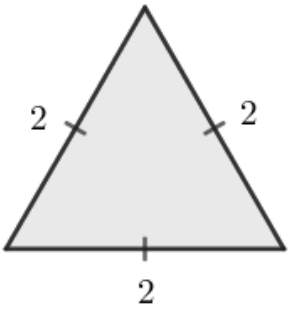
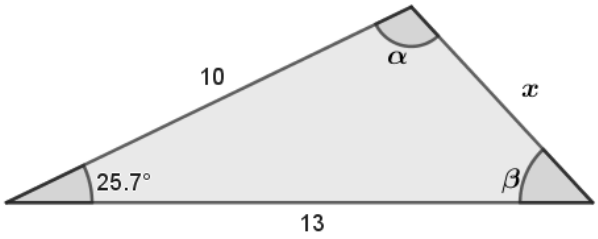
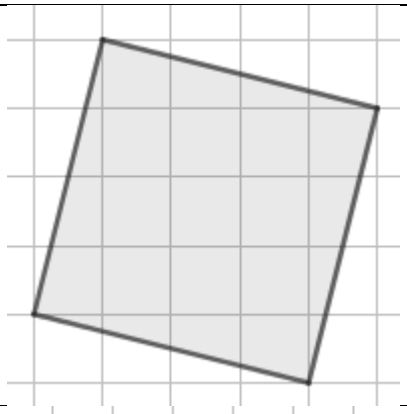
Right Angle Triangle Problem Solving

1. The area of a parallelogram is base × height. Find the area of this parallelogram.	
2. Find the length of the side marked x, and the size of the angles marked α and β.	
3. The area of a triangle is calculated using ½ base × height. Given that the area of the triangle here is 36 cm^2, calculate the value of x; y; α and β.	
4. Calculate the length of the side marked x and the length of the side marked y.	

5. Show that the area of this equilateral triangle is equal to $\sqrt{3}$	
6. Find the length of the side marked x, the size of the angle marked α and the size of the angle marked β.	
7. What's the area of the square?	
8. Create a square that has area 29 units^2, using only the corners of the grid for vertices.