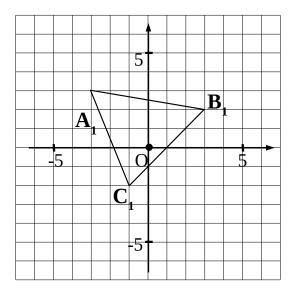
1. Vector \vec{v} presents motion of the plane occurring each second.

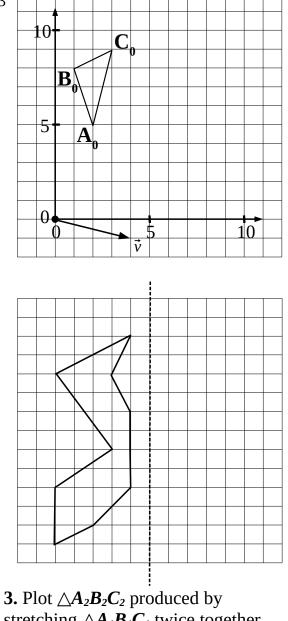
Initially a triangle is located at the position $\triangle A_0 B_0 C_0$

Find $\triangle A_1 B_1 C_1$, the position of the original triangle after 1 second.

Find $\triangle A_2 B_2 C_2$, the position of the original triangle after 2 seconds.

2. Plot the mirror image of the shape.



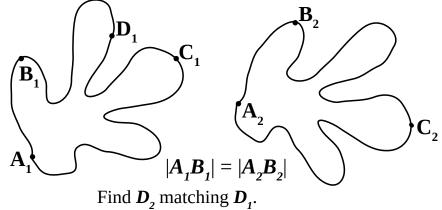


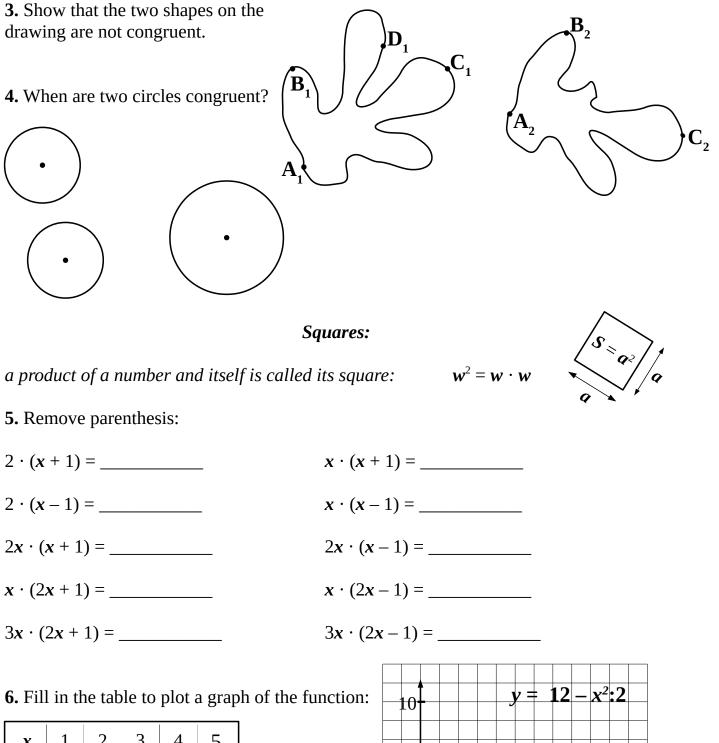
3. Plot $\triangle A_2 B_2 C_2$ produced by stretching $\triangle A_1 B_1 C_1$ twice together with the plane so that for every point X_1 and its image X_2 : $\overrightarrow{OX}_2 = 2\overrightarrow{OX}_1$

Congruency.

Sometimes points of two shapes can be matched in such a way that the distance between any two points is equal the distance between the two matching points.

Such two shapes are called **congruent.**





5

0

10

x	1	2	3	4	5
у					