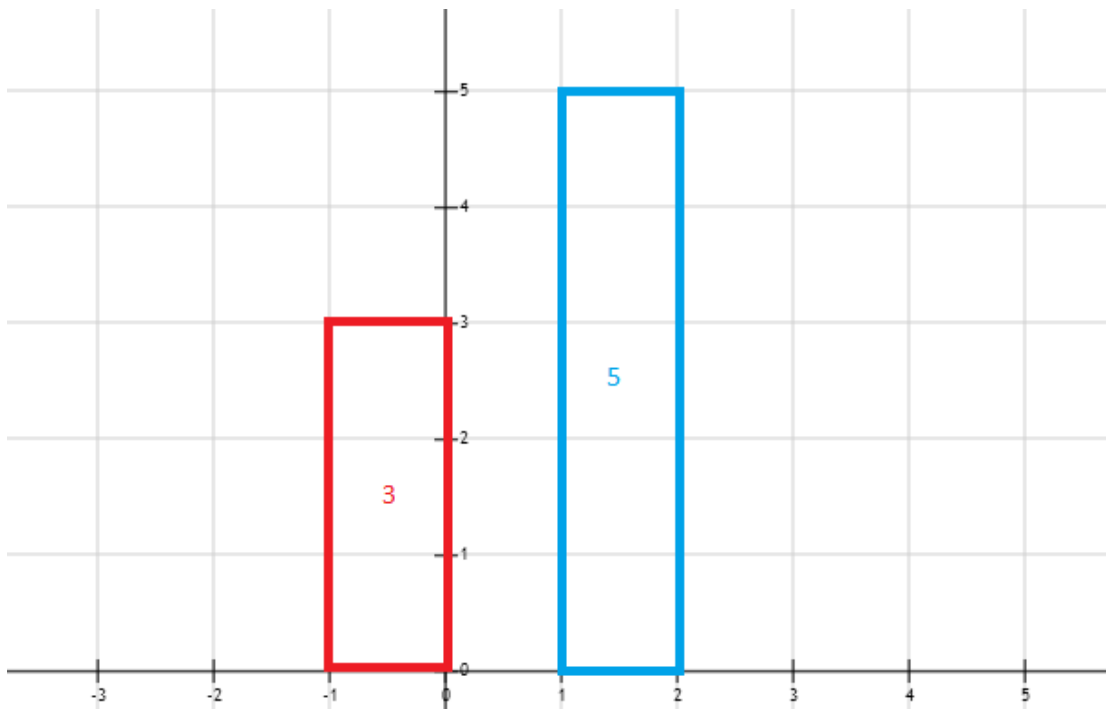## Conditions

The ratio of the areas of two similar polygons is 5:3. Draw two polygons that fit this description.

Solution

It is quite easy when we take a case of polygons with 4 right angles - rectangle

The area of rectangle can be found as a product of its sides.

Consider the following images:

As we may see, the blue polygon has length=1 and width=5, hence, its area is 5, the red polygon has length 1, width=3, hence its area is 3.

And the ration of their areas is 5:3.