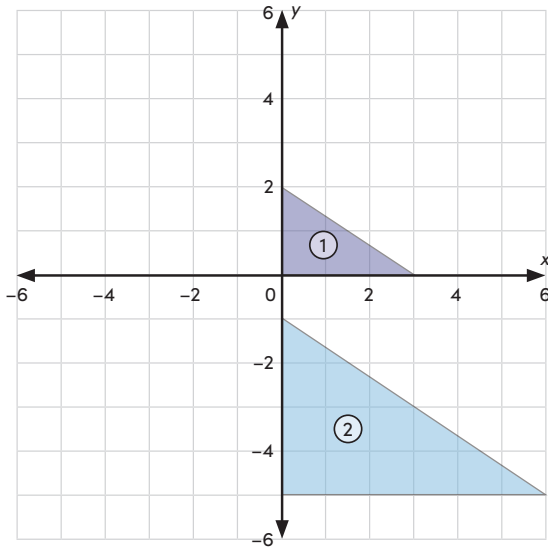


Identify Similar Figures Using Transformations

Similar figures are the same shape but not necessarily the same size. If two figures are similar, you can map one figure onto the other using one or more of the following transformations: **translations, reflections, rotations, and dilations.**

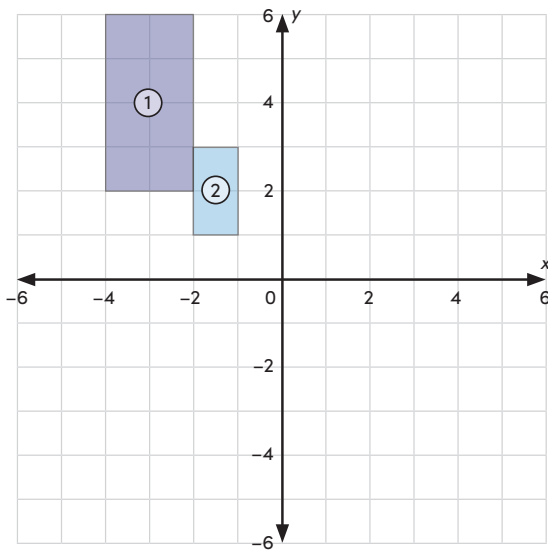


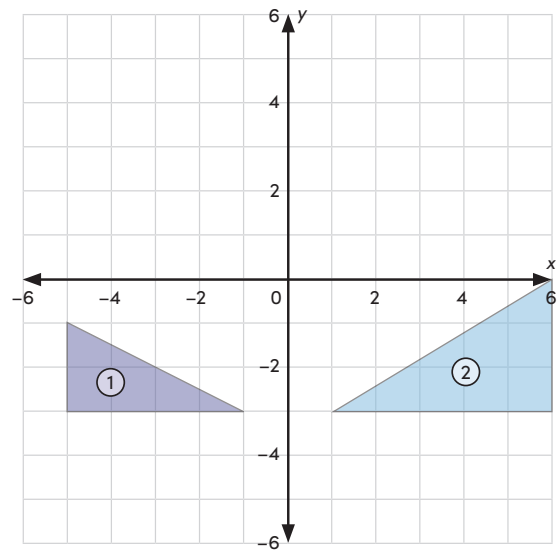
For example, figure 1 and figure 2 are similar.

Figure 1 can be mapped onto figure 2 by a dilation with a scale factor of 2, centered at the origin, and then a translation 5 units down.



Try it! Determine if the figures on each coordinate plane are similar or not similar. Write your answer below, and explain your reasoning. If the figures are similar, describe transformations that map figure 1 onto figure 2.





Identify Similar Figures Using Transformations

Keep going! Determine if the figures on each coordinate plane are similar or not similar. Write your answer below, and explain your reasoning. If the figures are similar, describe transformations that map figure 1 onto figure 2.

