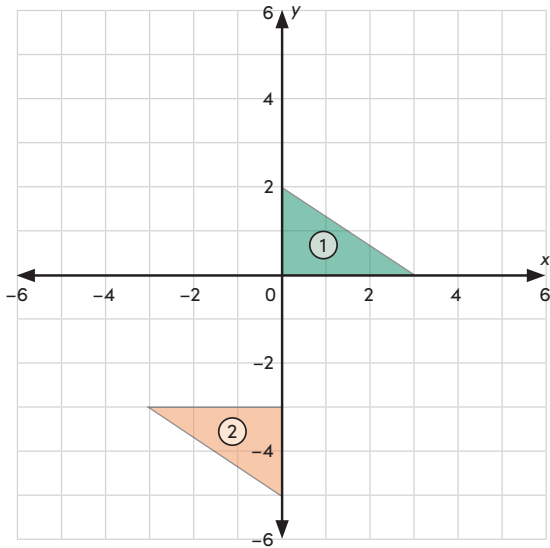


Identify Congruent Figures Using Transformations

Congruent figures have the same size and the same shape. If two figures are congruent, you can map one figure onto the other using one or more of the following congruence transformations: **translations, reflections, and rotations.**

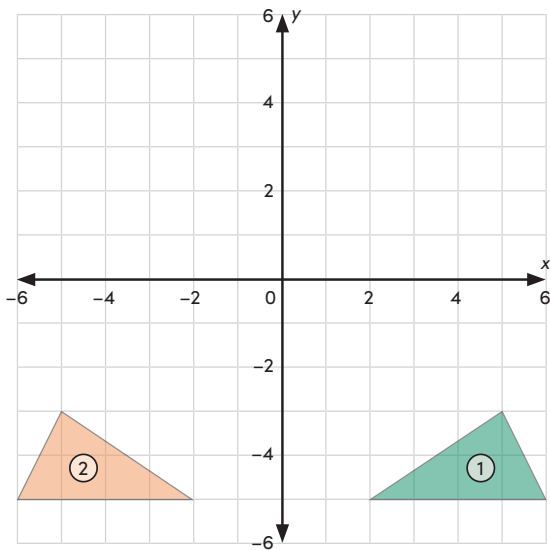


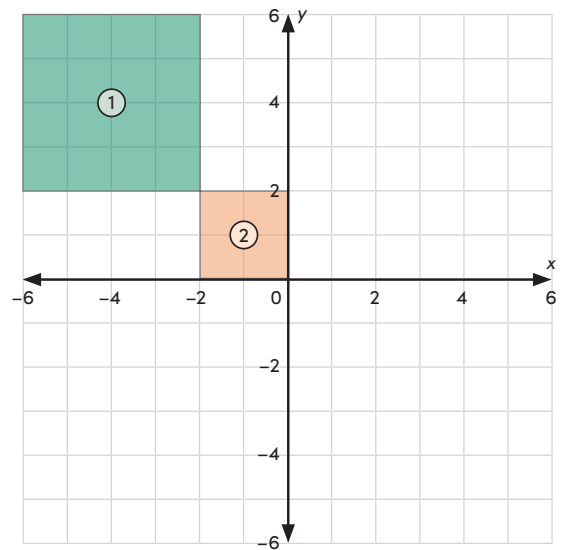
For example, figure 1 and figure 2 are congruent.

Figure 1 can be mapped onto figure 2 by a rotation 180° counterclockwise around the origin and a translation 3 units down.



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





Identify Congruent Figures Using Transformations

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

