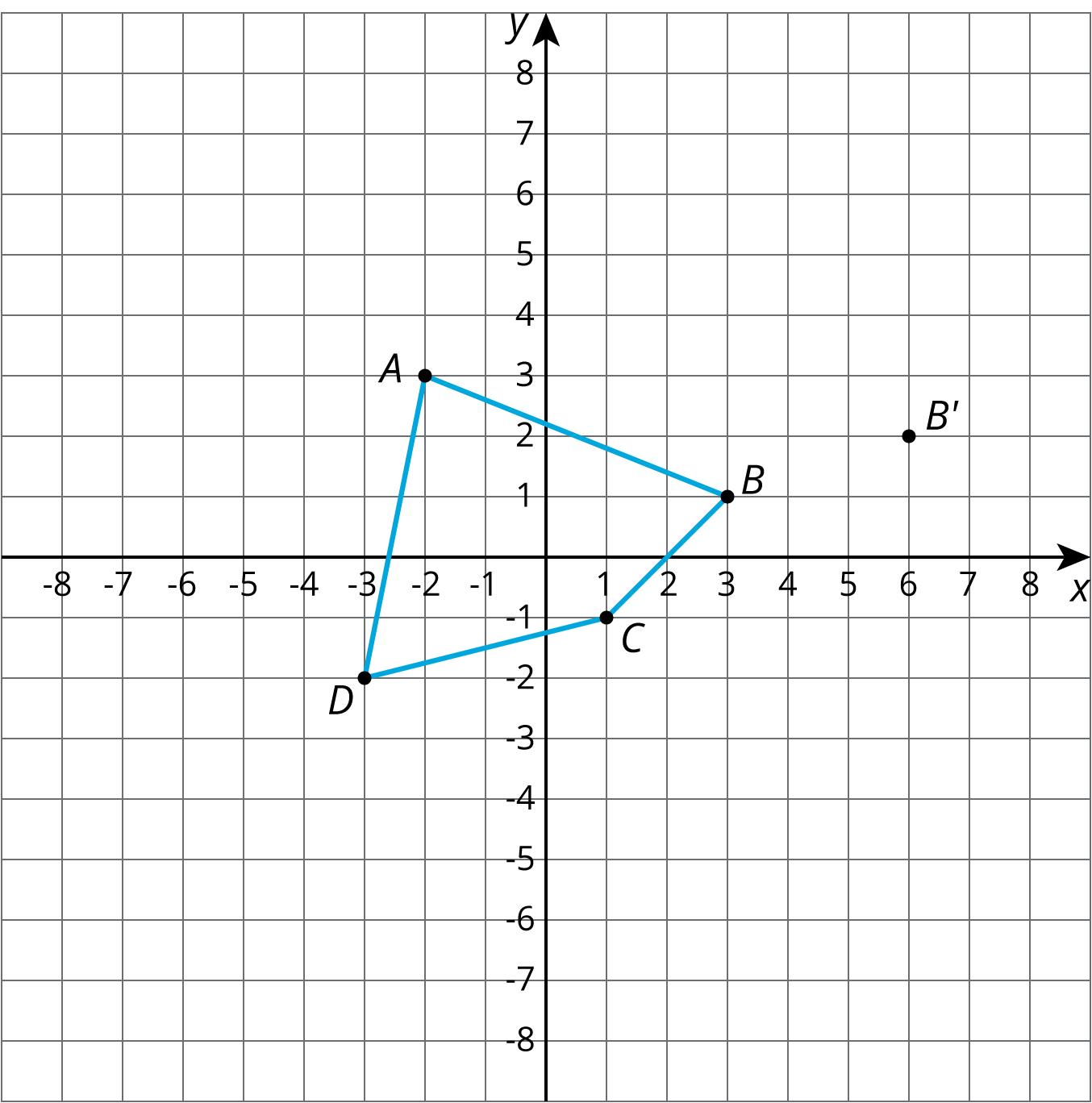
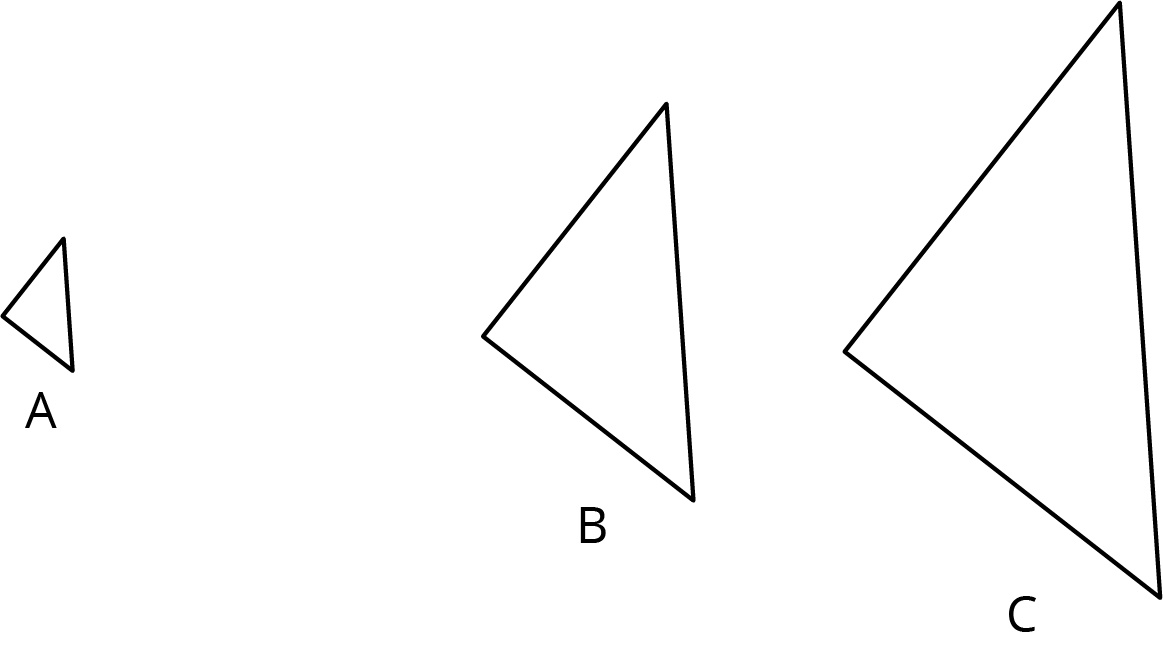
### Lesson 5 Practice Problems

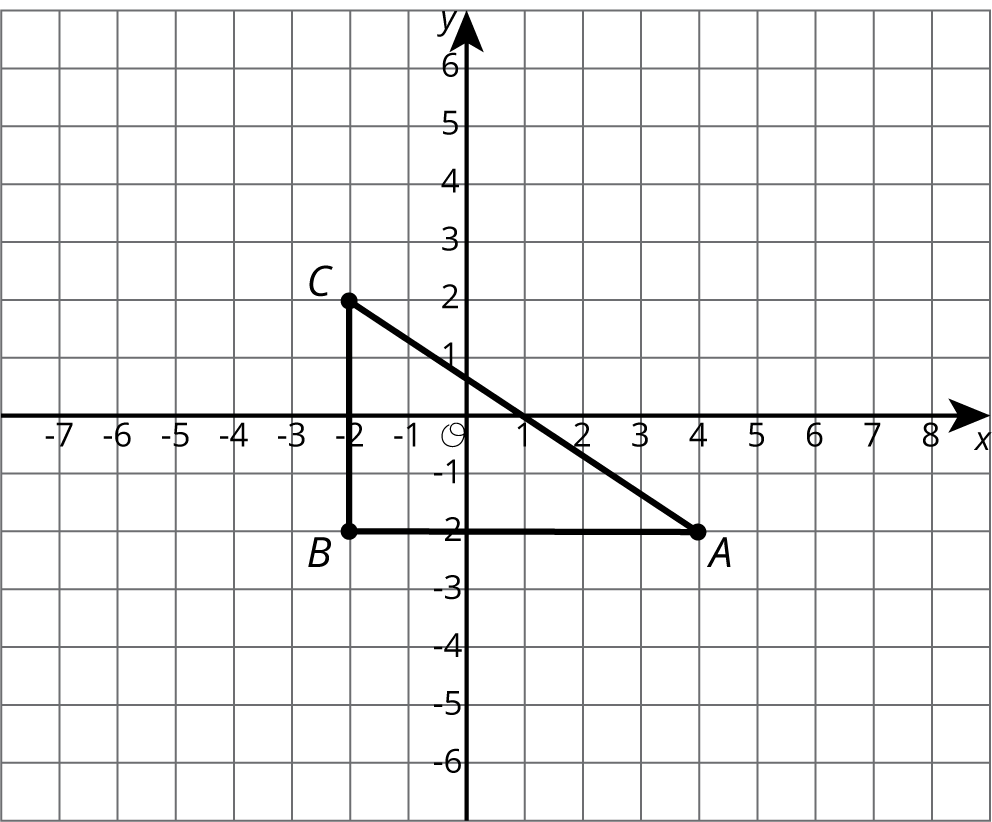
1. Quadrilateral is dilated with center , taking  to . Draw .

* 

1. Triangles and have been built by dilating Triangle .

* 
  1. Find the center of dilation.
  2. Triangle is a dilation of with approximately what scale factor?
  3. Triangle is a dilation of with approximately what scale factor?
  4. Triangle is a dilation of with approximately what scale factor?

1. Here is a triangle.
   1. Draw the dilation of triangle , with center , and scale factor 2. Label this triangle .
   2. Draw the dilation of triangle , with center , and scale factor . Label this triangle .
   3. Is a dilation of triangle ? If yes, what are the center of dilation and the scale factor?

* 

1. Triangle is a right triangle, and the measure of angle is . What are the measures of the other two angles?

* (From Unit 1, Lesson 15.)



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