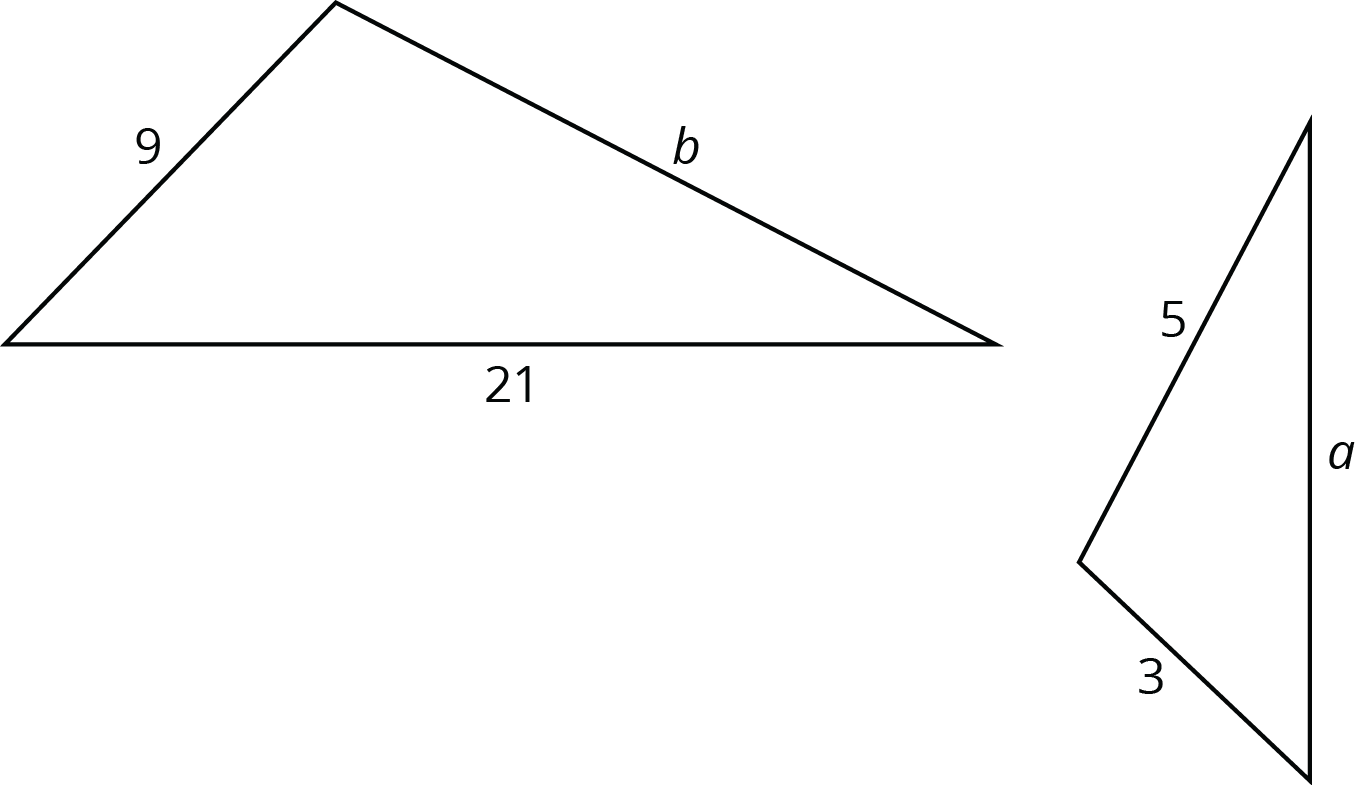
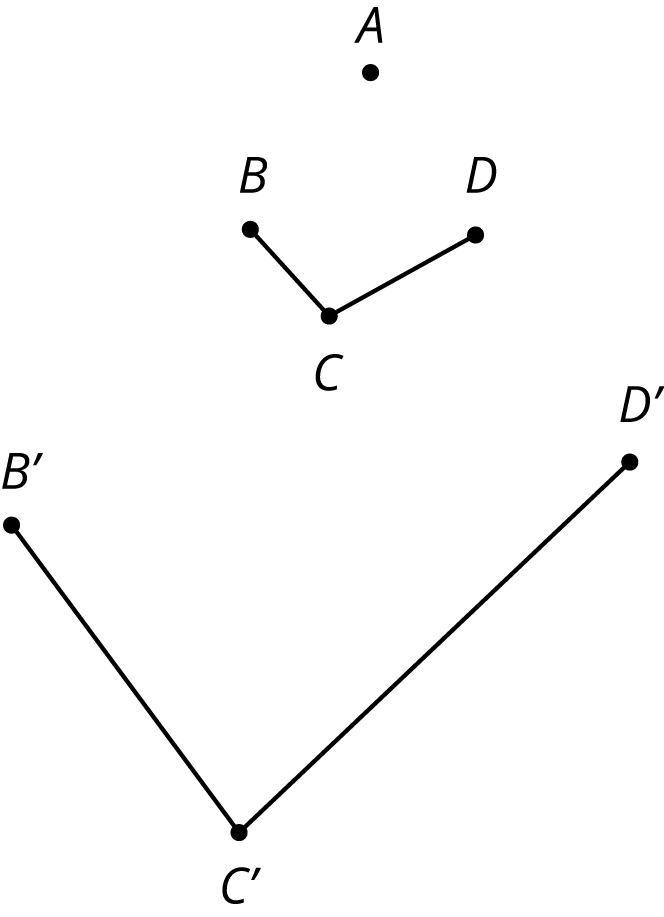
### Lesson 12 Practice Problems

1. Triangle  is a dilation of triangle with scale factor 2. In triangle , the largest angle measures . What is the largest angle measure in triangle ?
2. Draw two polygons that are similar but could be mistaken for not being similar. Explain why they are similar.
3. Draw two polygons that are *not* similar but could be mistaken for being similar. Explain why they are not similar.
4. These two triangles are similar. Find side lengths and . Note: the two figures are not drawn to scale.

* 

1. Jada claims that is a dilation of using as the center of dilation.

* What are some ways you can convince Jada that her claim is not true?
* 
* (From Unit 2, Lesson 9.)
  1. Draw a horizontal line segment .
  2. Rotate segment counterclockwise around point . Label any new points.
  3. Rotate segment clockwise around point . Label any new points.
  4. Describe a transformation on segment you could use to finish building a square.
* (From Unit 1, Lesson 7.)



© CC BY Open Up Resources. Adaptations CC BY IM.