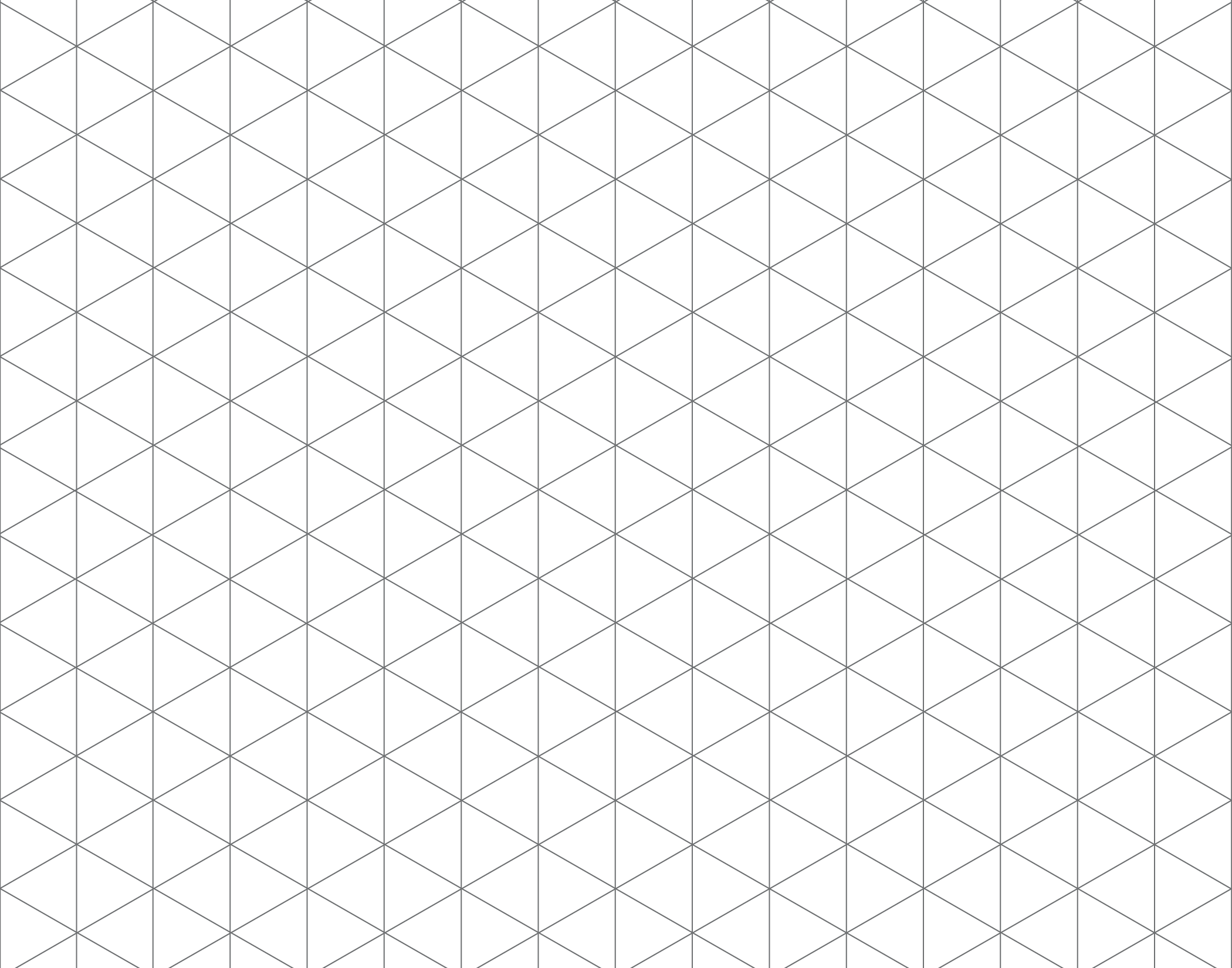
## Unit 1 Lesson 3: Making the Moves

### 1 Notice and Wonder: The Isometric Grid (Warm up)

#### Student Task Statement

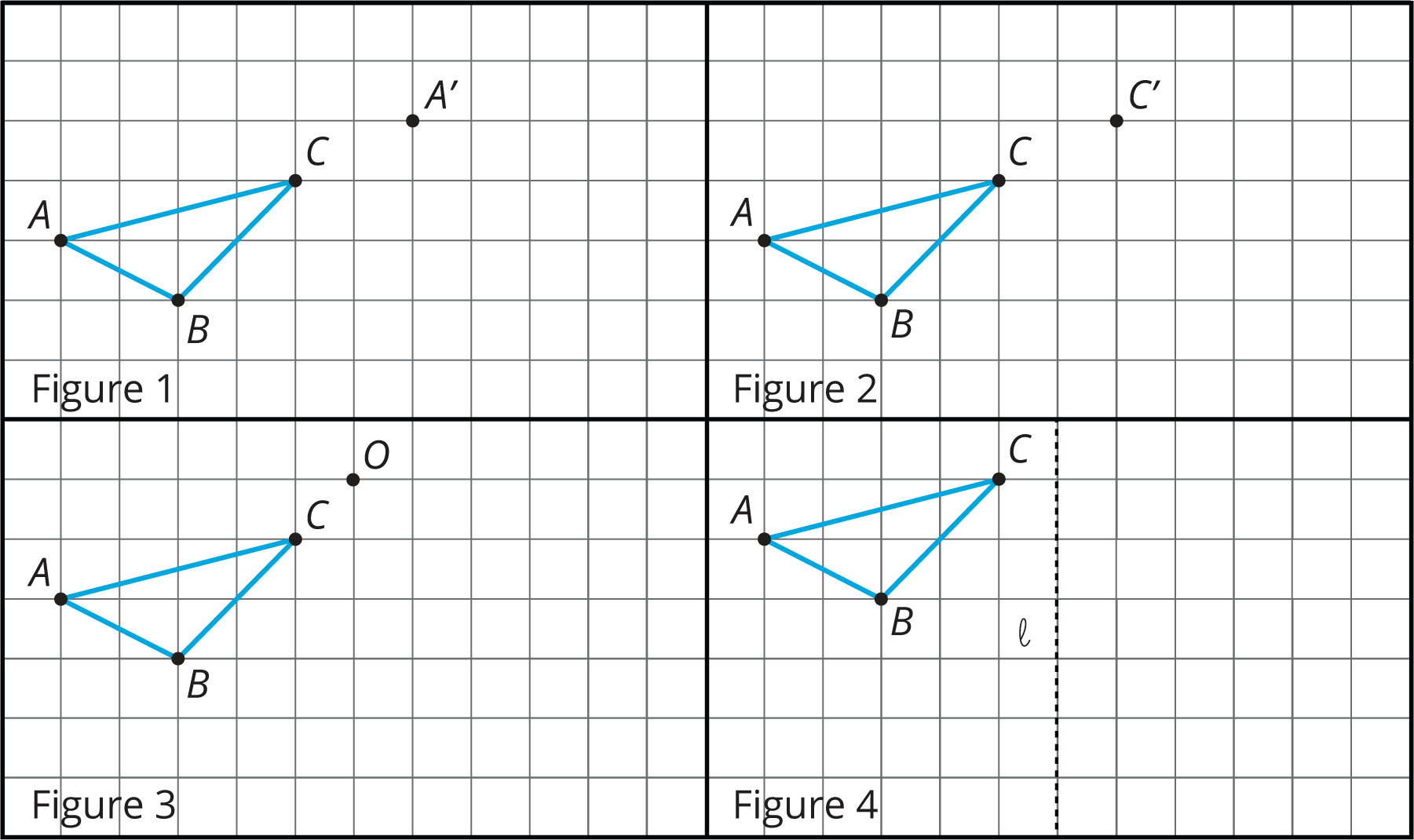
What do you notice? What do you wonder?



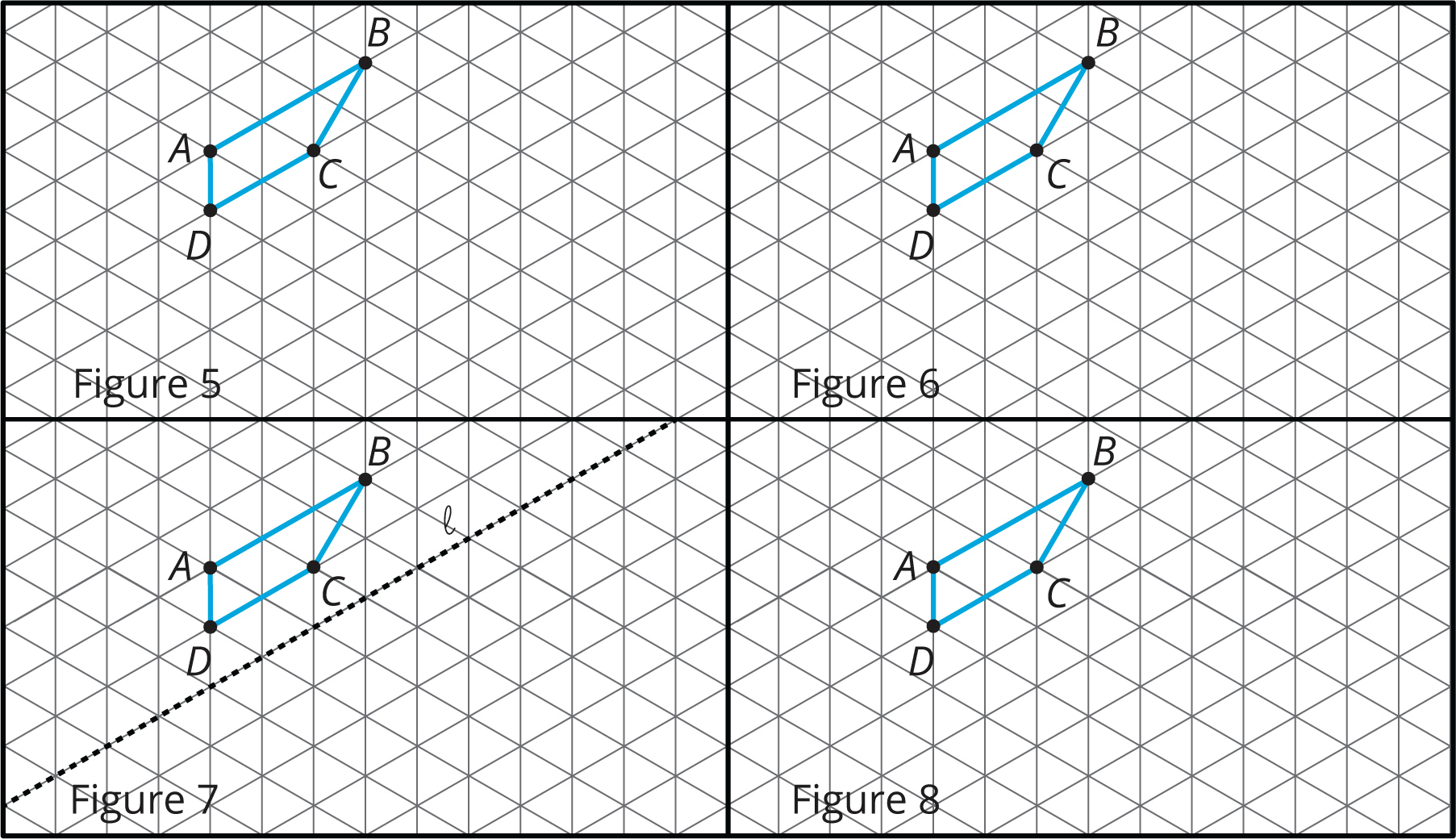
### 2 Transformation Information

#### Student Task Statement

Your teacher will give you tracing paper to carry out the moves specified. Use , , , and to indicate vertices in the new figure that correspond to the points , , , and in the original figure.



1. In Figure 1, translate triangle so that goes to .
2. In Figure 2, translate triangle so that goes to .
3. In Figure 3, rotate triangle counterclockwise using center .
4. In Figure 4, reflect triangle using line .

* 

1. In Figure 5, rotate quadrilateral counterclockwise using center .
2. In Figure 6, rotate quadrilateral clockwise using center .
3. In Figure 7, reflect quadrilateral using line .
4. In Figure 8, translate quadrilateral so that goes to .

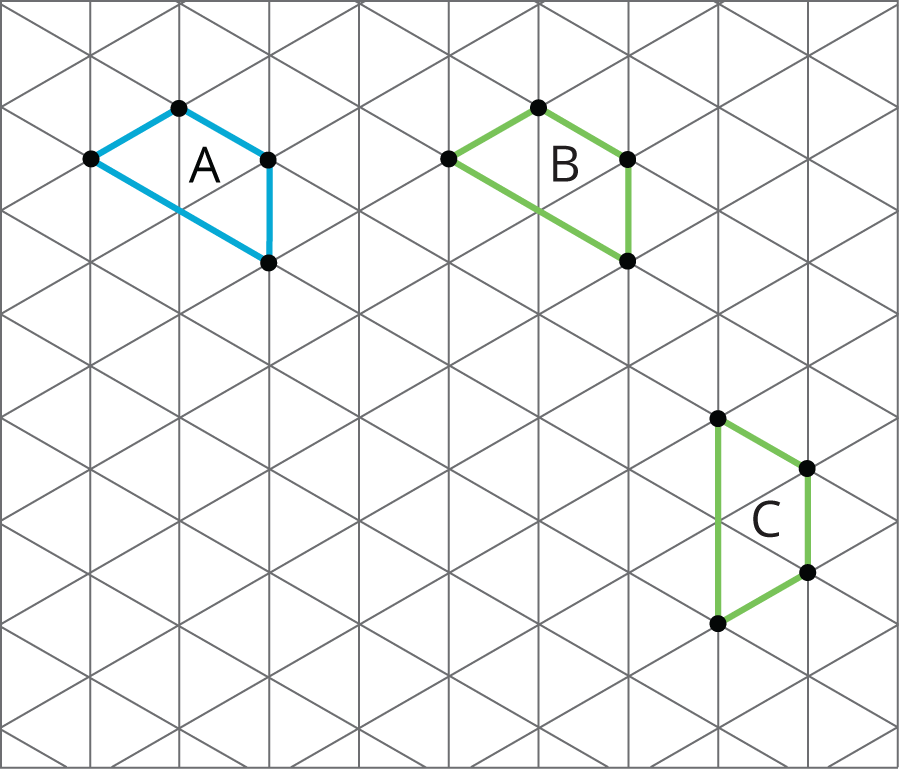
### 3 A to B to C

#### Images for Launch



#### Student Task Statement

Here are some figures on an isometric grid.



1. Name a transformation that takes Figure to Figure . Name a transformation that takes Figure to Figure .
2. What is one **sequence of transformations** that takes Figure to Figure ? Explain how you know.



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