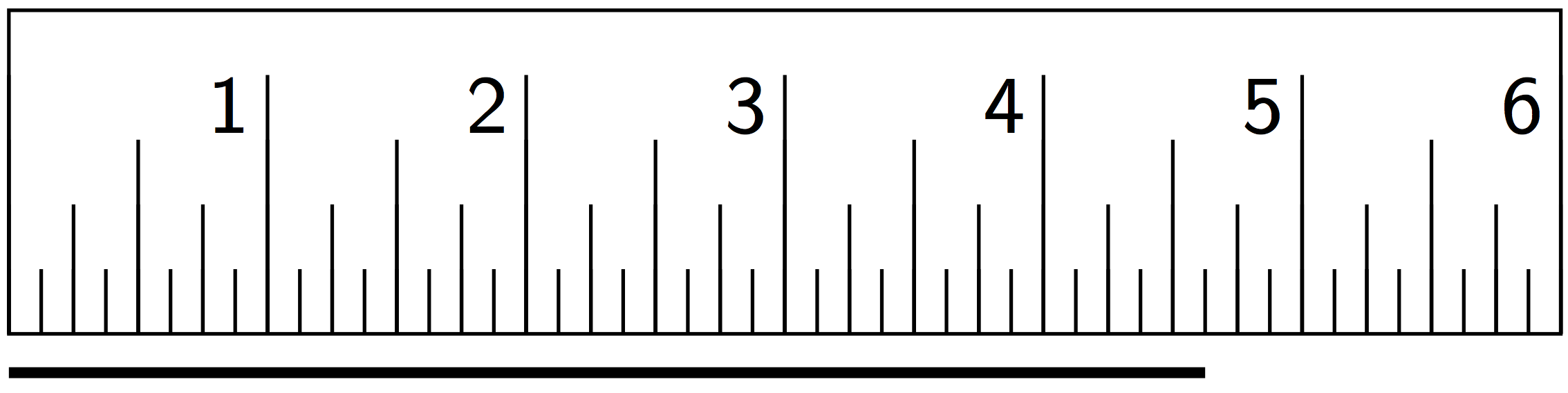
## Unit 1 Lesson 6: No Bending or Stretching

### 1 Measuring Segments (Warm up)

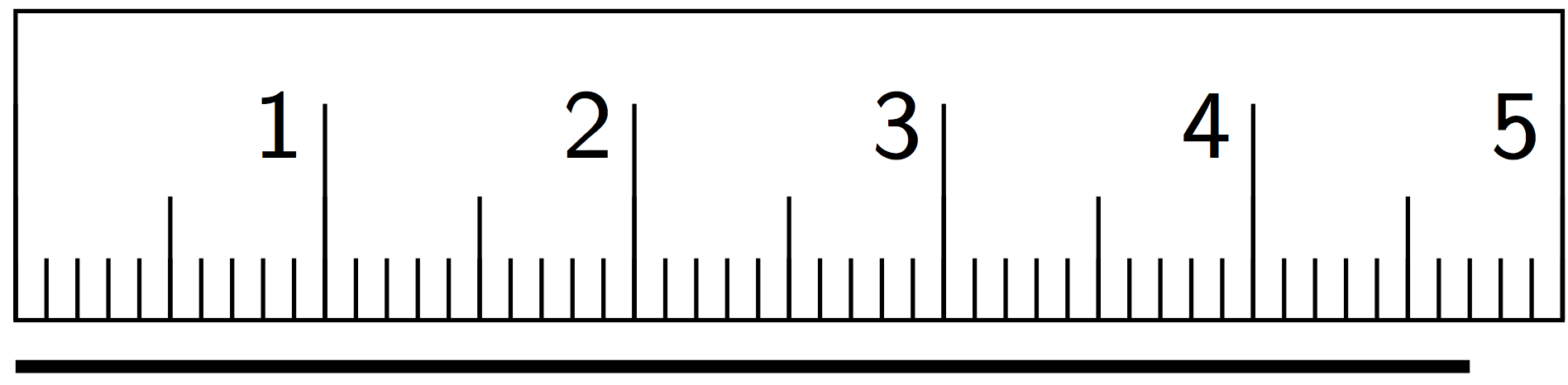
#### Student Task Statement

For each question, the unit is represented by the large tick marks with whole numbers.

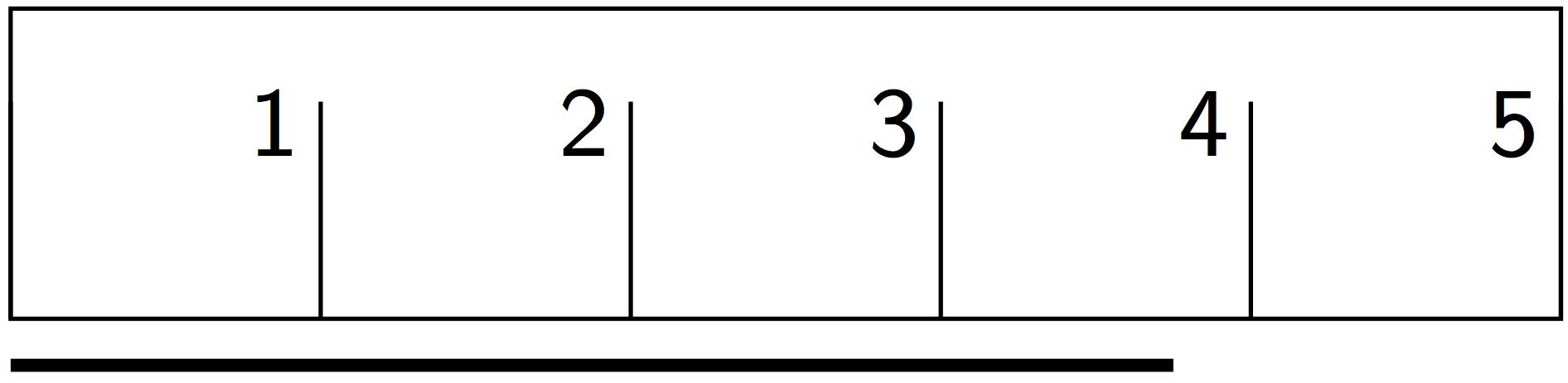
1. Find the length of this segment to the nearest of a unit.

* 

1. Find the length of this segment to the nearest 0.1 of a unit.

* 

1. Estimate the length of this segment to the nearest of a unit.

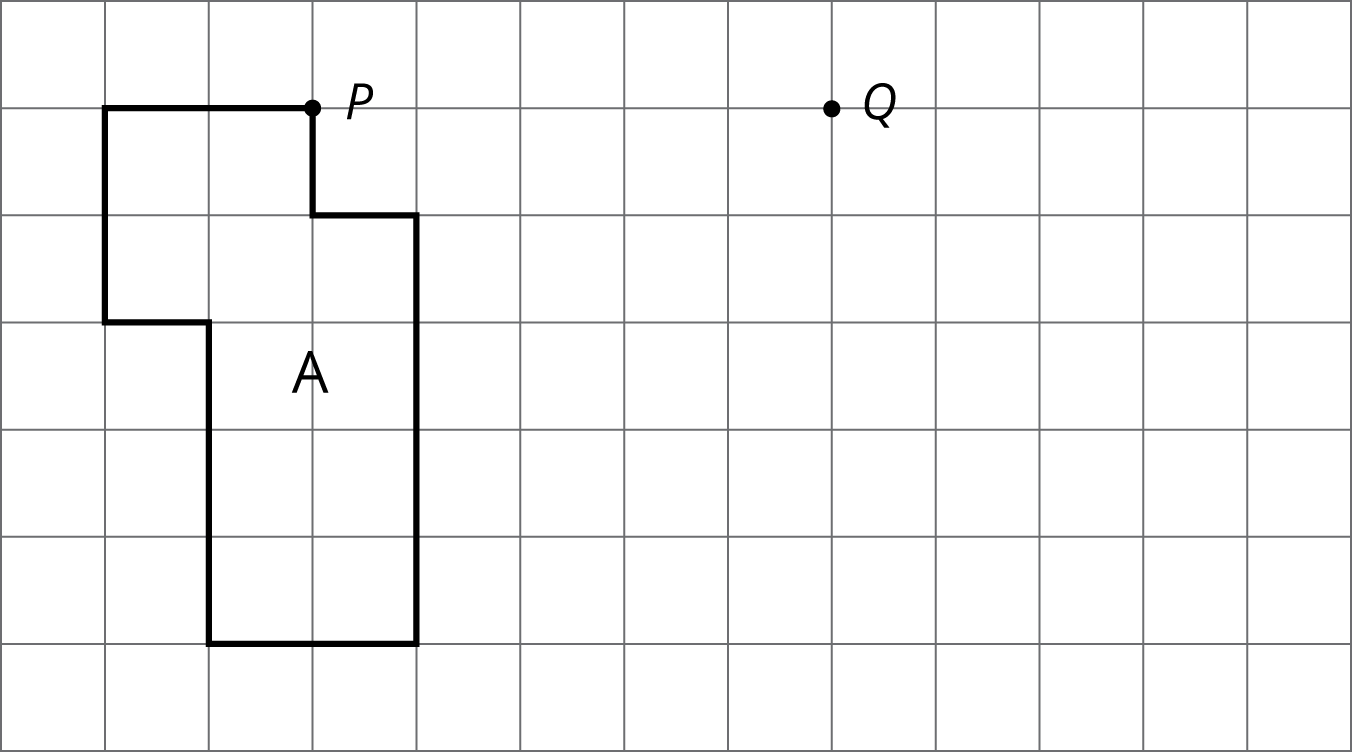
* 

1. Estimate the length of the segment in the prior question to the nearest 0.1 of a unit.

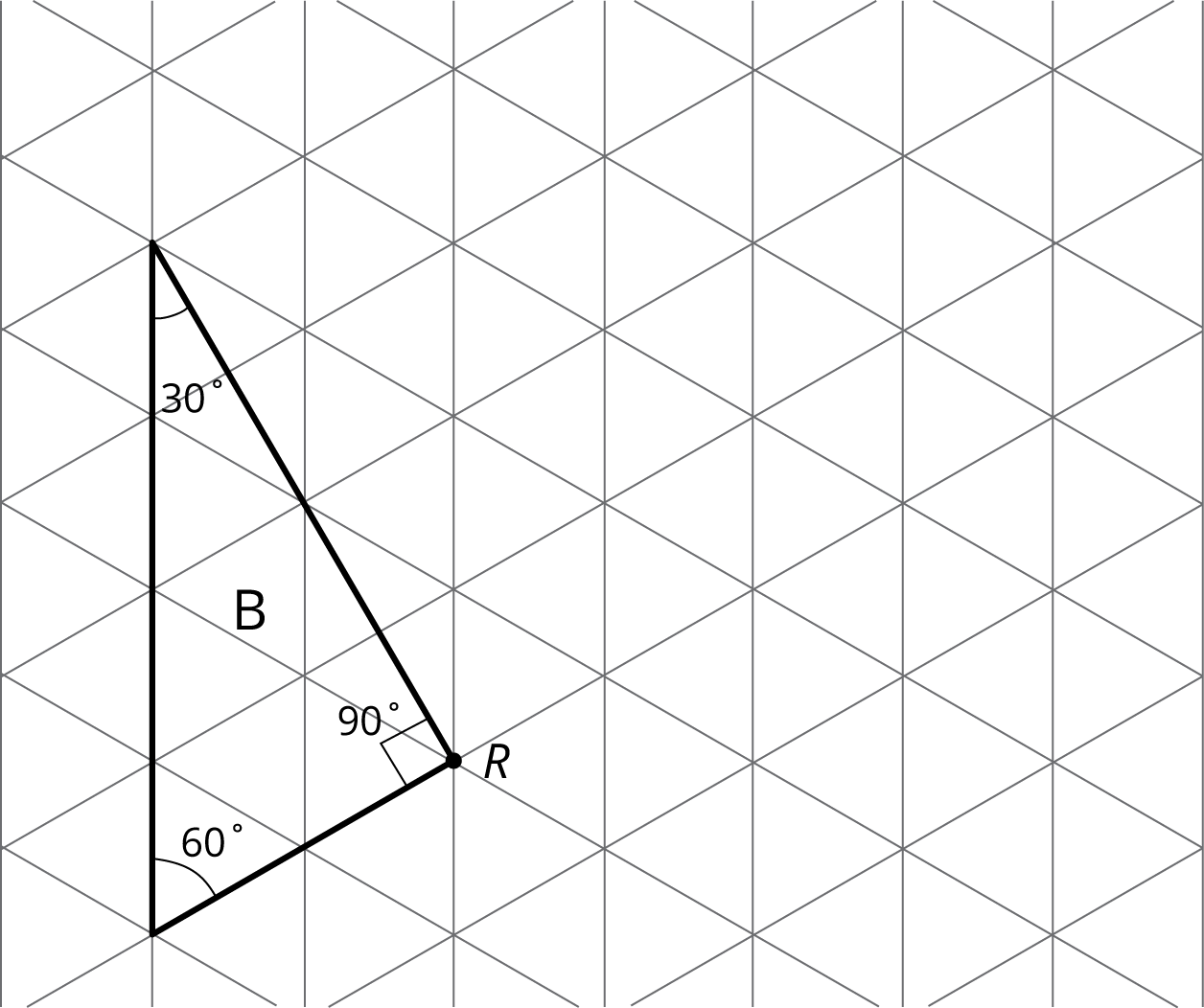
### 2 Sides and Angles

#### Student Task Statement

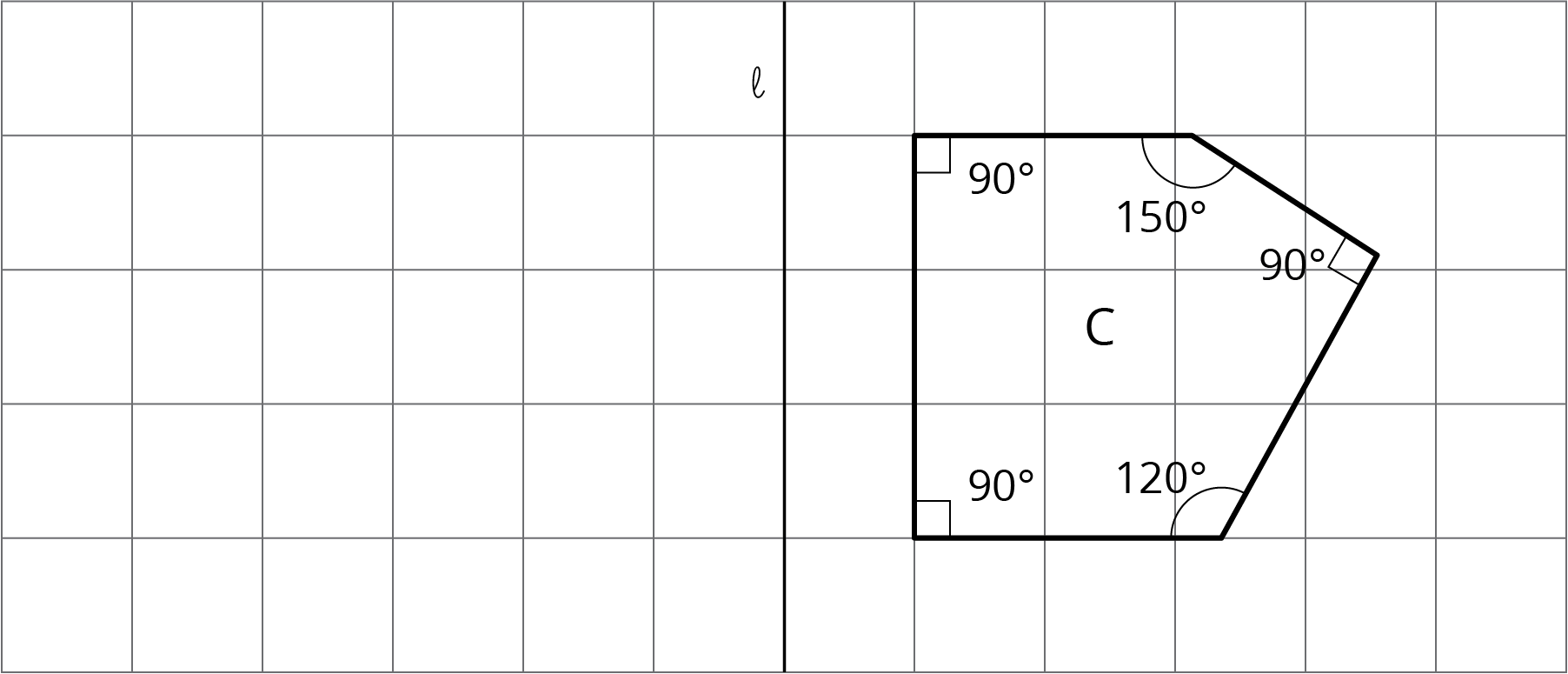
1. Translate Polygon so point goes to point . In the image, write the length of each side, in grid units, next to the side.

* 

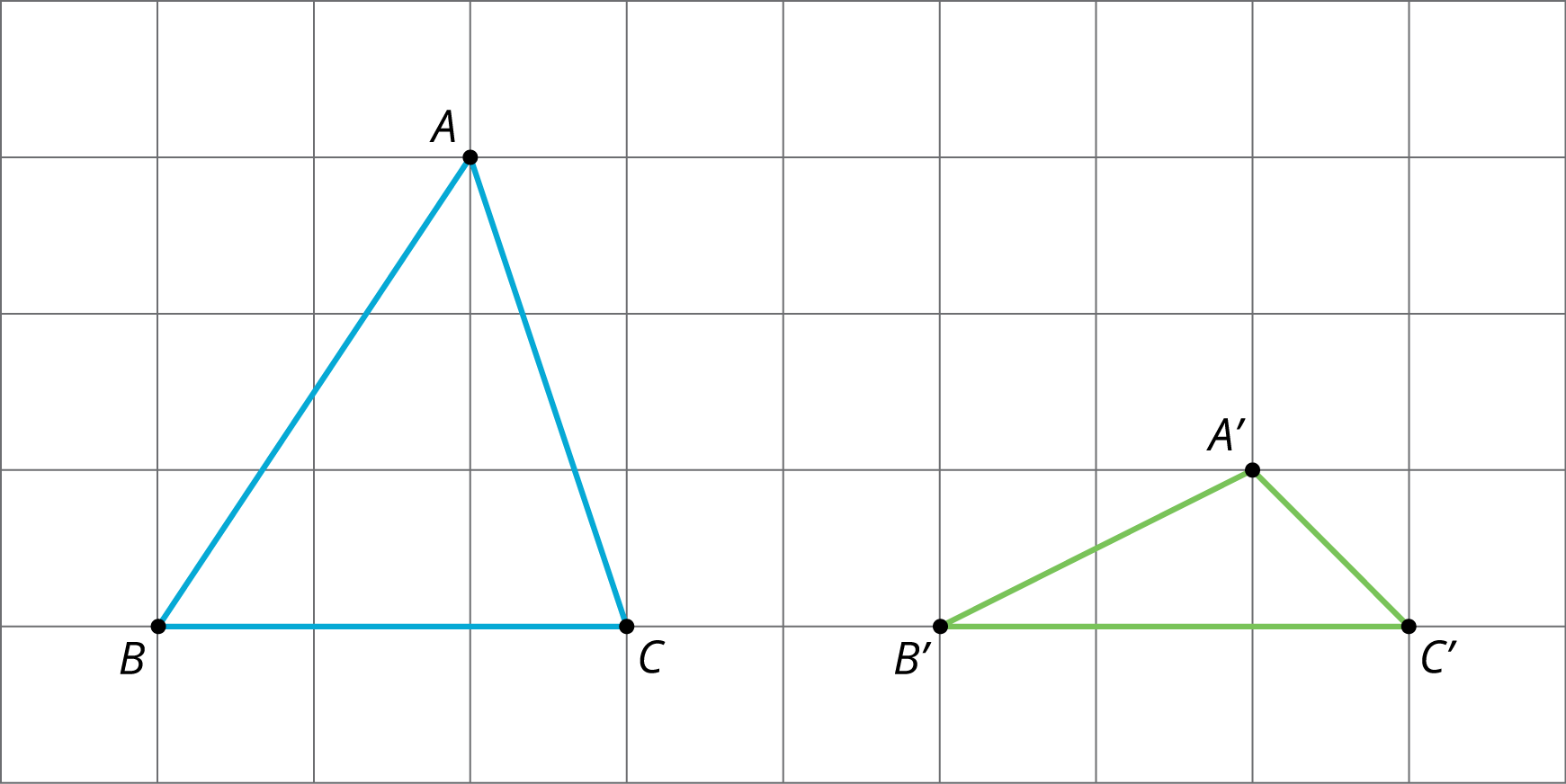
1. Rotate Triangle 90 degrees clockwise using as the center of rotation. In the image, write the measure of each angle in its interior.

* 

1. Reflect Pentagon across line .
   1. In the image, write the length of each side, in grid units, next to the side. You may need to make your own ruler with tracing paper or a blank index card.
   2. In the image, write the measure of each angle in the interior.

* 

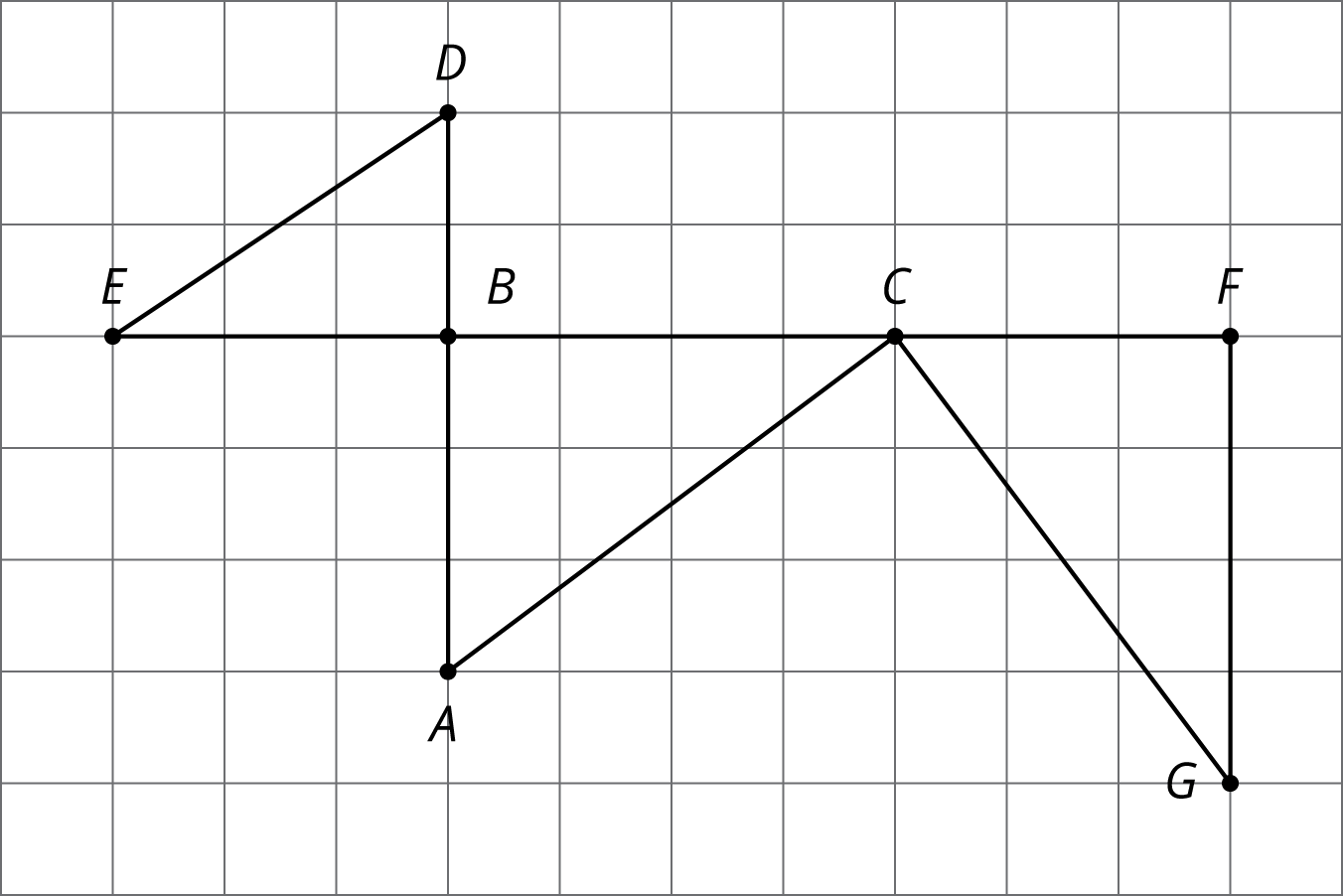
#### Activity Synthesis



### 3 Which One?

#### Student Task Statement

Here is a grid showing triangle and two other triangles.



You can use a **rigid transformation** to take triangle to *one* of the other triangles.

1. Which one? Explain how you know.
2. Describe a rigid transformation that takes to the triangle you selected.



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