

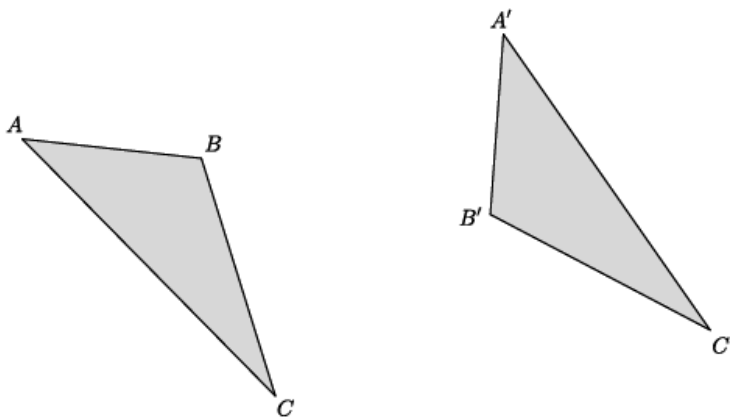
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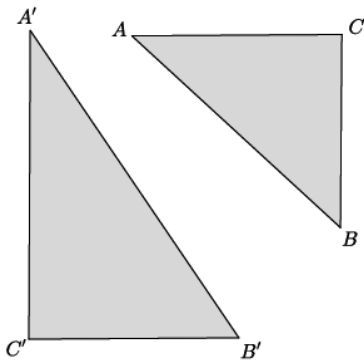
## Lesson 11: Definition of Congruence and Some Basic Properties

### Exit Ticket

1. Is  $\triangle ABC \cong \triangle A'B'C'$ ? If so, describe a sequence of rigid motions that proves they are congruent. If not, explain how you know.



2. Is  $\triangle ABC \cong \triangle A'B'C'$ ? If so, describe a sequence of rigid motions that proves they are congruent. If not, explain how you know.



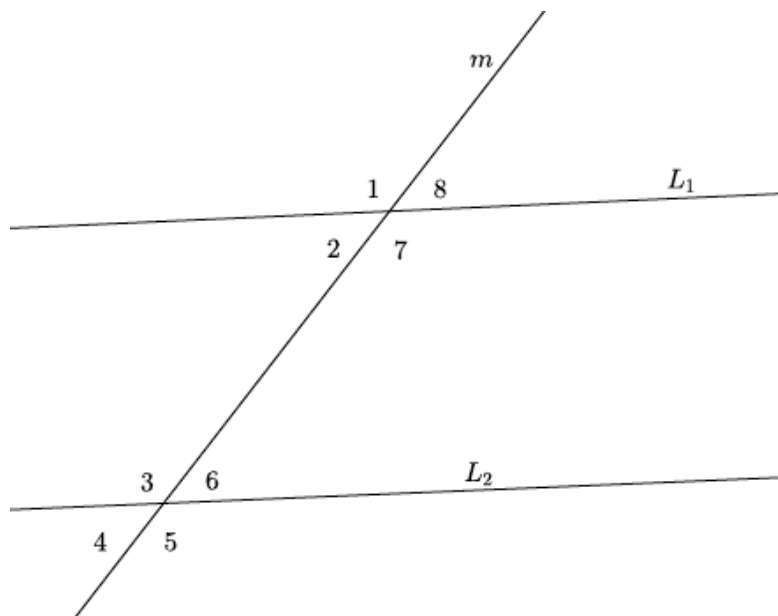
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## Lesson 12: Angles Associated with Parallel Lines

### Exit Ticket

Use the diagram to answer Questions 1 and 2. In the diagram, lines  $L_1$  and  $L_2$  are intersected by transversal  $m$ , forming angles 1–8, as shown.



1. If  $L_1 \parallel L_2$ , what do you know about  $\angle 2$  and  $\angle 6$ ? Use informal arguments to support your claim.
  
  
  
  
  
  
  
  
  
  
2. If  $L_1 \parallel L_2$ , what do you know about  $\angle 1$  and  $\angle 3$ ? Use informal arguments to support your claim.

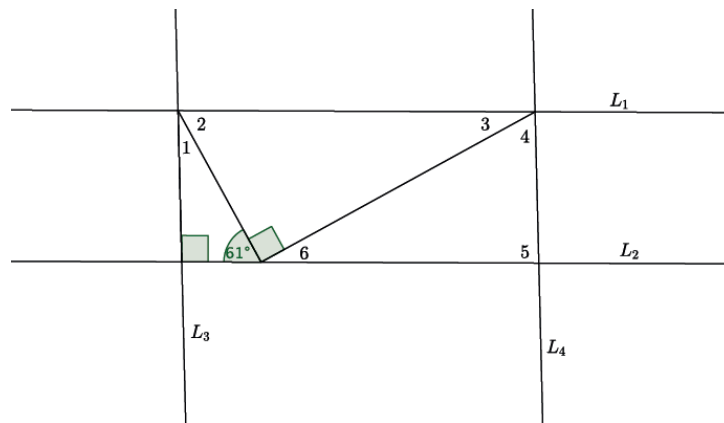
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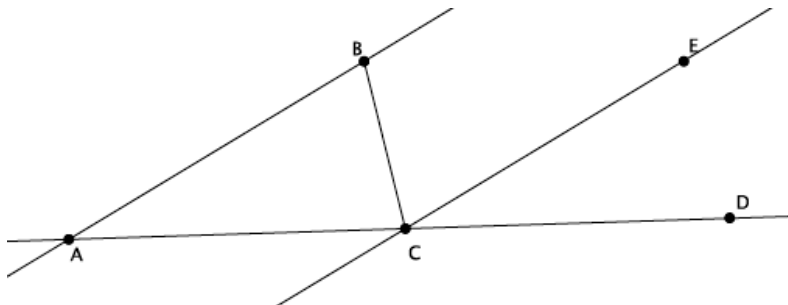
## Lesson 13: Angle Sum of a Triangle

### Exit Ticket

1. If  $L_1 \parallel L_2$ , and  $L_3 \parallel L_4$ , what is the measure of  $\angle 1$ ? Explain how you arrived at your answer.



2. Given that line  $AB$  is parallel to line  $CE$ , present an informal argument to prove that the measures of the interior angles of triangle  $ABC$  have a sum of  $180^\circ$ .



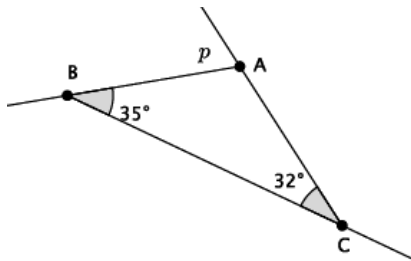
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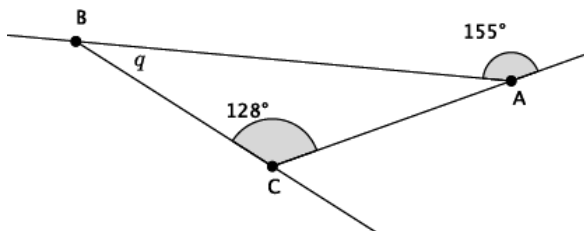
## Lesson 14: More on the Angles of a Triangle

### Exit Ticket

1. Find the measure of angle  $p$ . Present an informal argument showing that your answer is correct.



2. Find the measure of angle  $q$ . Present an informal argument showing that your answer is correct.



3. Find the measure of angle  $r$ . Present an informal argument showing that your answer is correct.

