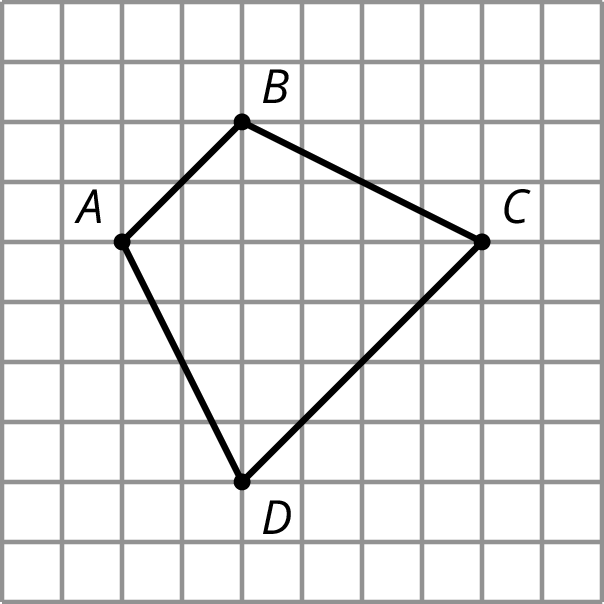
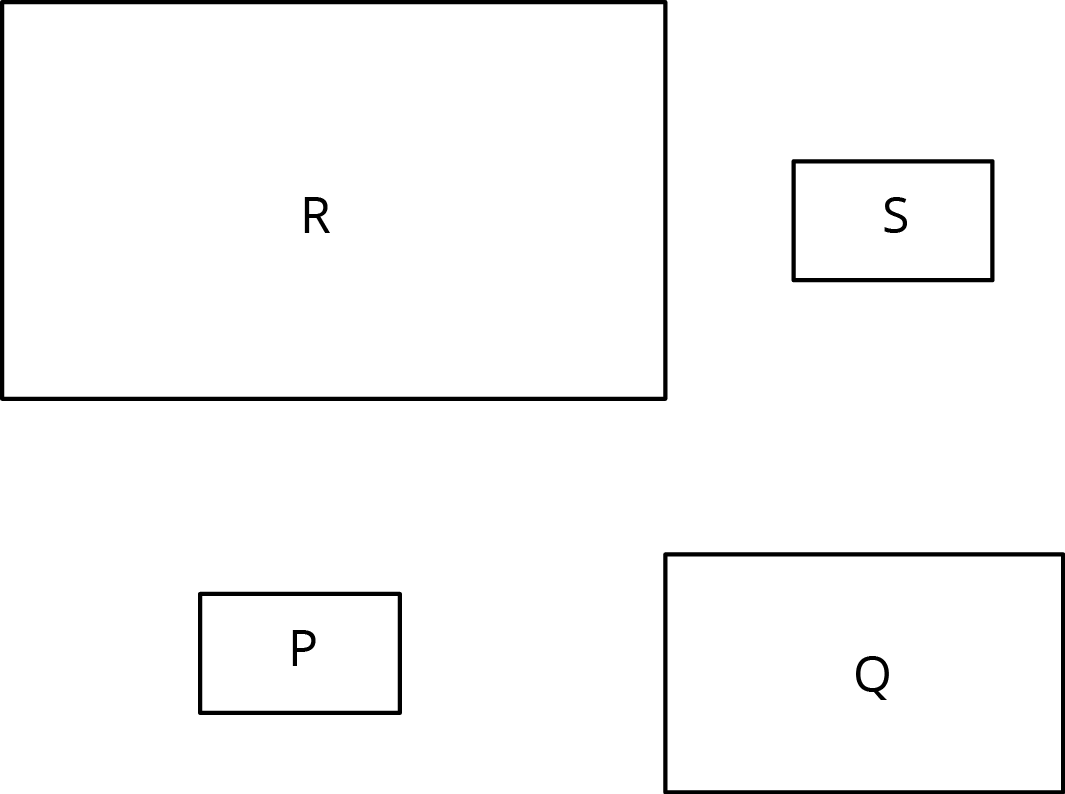
### Lesson 3 Practice Problems

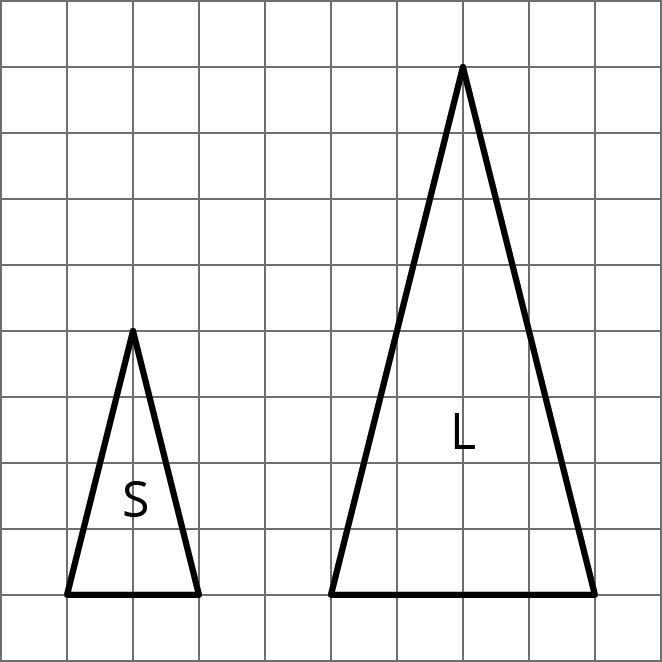
1. Here is Quadrilateral .

* 
* Quadrilateral is a scaled copy of Quadrilateral . Point  corresponds to , to , to , and to .
* If the distance from to is 3 units, what is the distance from  to ? Explain your reasoning.

1. Rectangles P, Q, R, and S are scaled copies of one another. For each pair, decide if the scale factor from one to the other is greater than 1, equal to 1, or less than 1.

* 
  1. from P to Q
  2. from P to R
  3. from Q to S
  4. from Q to R
  5. from S to P
  6. from R to P
  7. from P to S

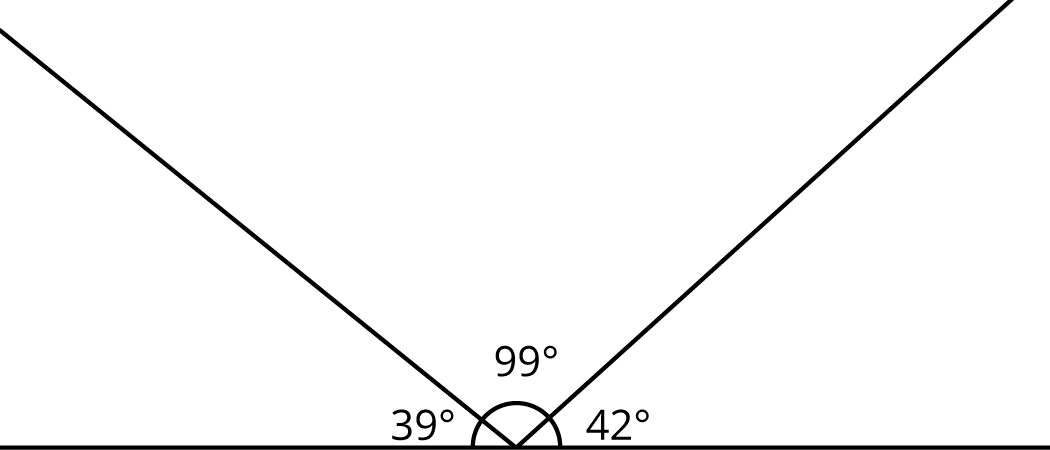
1. Triangle S and Triangle L are scaled copies of one another.
   1. What is the scale factor from S to L?
   2. What is the scale factor from L to S?
   3. Triangle M is also a scaled copy of S. The scale factor from S to M is . What is the scale factor from M to S?

* 

1. Are two squares with the same side lengths scaled copies of one another? Explain your reasoning.
2. Quadrilateral A has side lengths 2, 3, 5, and 6. Quadrilateral B has side lengths 4, 5, 8, and 10. Could one of the quadrilaterals be a scaled copy of the other? Explain.

* (From Unit 2, Lesson 2.)

1. The line has been partitioned into three angles.

* 
* Is there a triangle with these three angle measures? Explain.
* (From Unit 1, Lesson 13.)



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