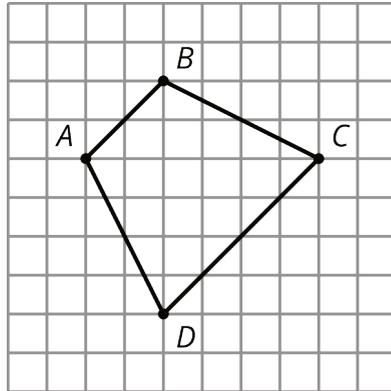


Lesson 3 Practice Problems

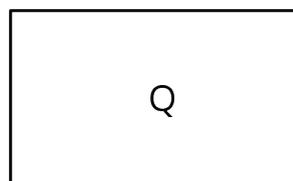
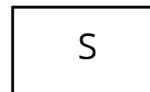
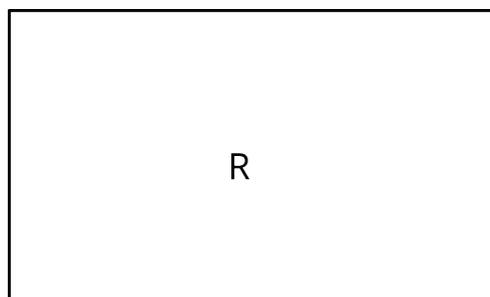
1. Here is Quadrilateral $ABCD$.



Quadrilateral $PQRS$ is a scaled copy of Quadrilateral $ABCD$. Point P corresponds to A , Q to B , R to C , and S to D .

If the distance from P to R is 3 units, what is the distance from Q to S ? Explain your reasoning.

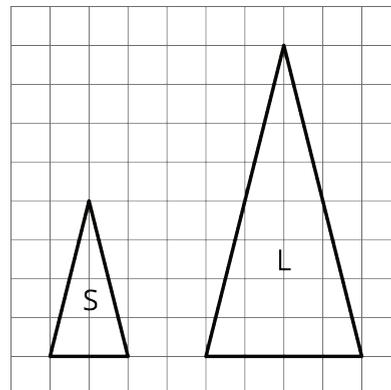
2. Rectangles P , Q , R , and S are scaled copies of one another. For each pair, decide if the scale factor from one to the other is greater than 1, equal to 1, or less than 1.



- from P to Q
- from P to R
- from Q to S
- from Q to R
- from S to P
- from R to P
- from P to S

3. Triangle S and Triangle L are scaled copies of one another.

- a. What is the scale factor from S to L?
- b. What is the scale factor from L to S?
- c. Triangle M is also a scaled copy of S. The scale factor from S to M is $\frac{3}{2}$. What is the scale factor from M to S?

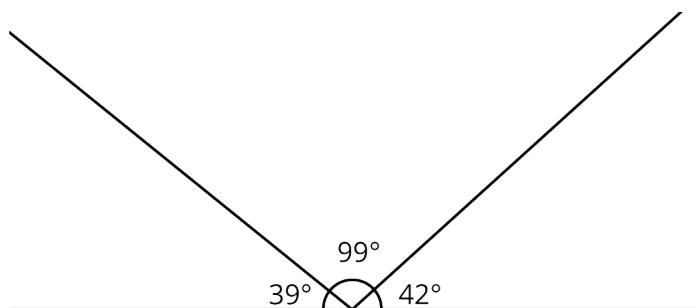


4. Are two squares with the same side lengths scaled copies of one another? Explain your reasoning.

5. 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.)

6. The line has been partitioned into three angles.



Is there a triangle with these three angle measures? Explain.

(From Unit 1, Lesson 13.)