### Lesson 12 Practice Problems

* 1. Show that the two pentagons are congruent.
	2. Find the side lengths of $ABCDE$ and the angle measures of $FGHIJ$.
* 
1. For each pair of shapes, decide whether or not the two shapes are congruent. Explain your reasoning.
	1.
	* 
	1.
	* 
	1.
	* 
	1. Draw segment $PQ$.
	2. When $PQ$ is rotated $180^{∘}$ around point $R$, the resulting segment is the same as $PQ$. Where could point $R$ be located?
* (From Unit 1, Lesson 8.)
1. Here is trapezoid $ABCD$.
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* Using rigid transformations on the trapezoid, build a pattern. Describe some of the rigid transformations you used.
* (From Unit 1, Lesson 10.)



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