## Unit 1 Lesson 16 Cumulative Practice Problems

1. Are these two triangles identical? Explain how you know.
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1. Are these triangles identical? Explain your reasoning.
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1. Tyler claims that if two triangles each have a side length of 11 units and a side length of 8 units, and also an angle measuring $100^{∘}$, they must be identical to each other. Do you agree? Explain your reasoning.
	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 7.)
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 9.)



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