## Unit 1 Lesson 7 Cumulative Practice Problems

1. For the figure shown here,
	1. Rotate segment $CD$ $180^{∘}$ around point $D$.
	2. Rotate segment $CD$ $180^{∘}$ around point $E$.
	3. Rotate segment $CD$ $180^{∘}$ around point $M$.
* 
*
1. Here is an isosceles right triangle:
* Draw these three rotations of triangle $ABC$ together.
	1. Rotate triangle $ABC$ 90 degrees clockwise around $A$.
	2. Rotate triangle $ABC$ 180 degrees around $A$.
	3. Rotate triangle $ABC$ 270 degrees clockwise around $A$.
* 
1. Each graph shows two polygons $ABCD$ and $A^{′}B^{′}C^{′}D^{′}$. In each case, describe a sequence of transformations that takes $ABCD$ to $A^{′}B^{′}C^{′}D^{′}$.
	1.
	* 
	1.
	* 
* (From Unit 1, Lesson 4.)
1. Lin says that she can map Polygon A to Polygon B using *only* reflections. Do you agree with Lin? Explain your reasoning.
* 
* (From Unit 1, Lesson 3.)



© CC BY Open Up Resources. Adaptations CC BY IM.