## Unit 1 Lesson 4 Cumulative Practice Problems

* 1. Here are some points.
	+ 
	+ What are the coordinates of $A$, $B$, and $C$ after a translation to the right by 4 units and up 1 unit? Plot these points on the grid, and label them $A^{′}$, $B^{′}$ and $C^{′}$.
	1. Here are some points.
	+ 
	+ What are the coordinates of $D$, $E$, and $F$ after a reflection over the $y$ axis? Plot these points on the grid, and label them $D^{′}$, $E^{′}$ and $F^{′}$.
	1. Here are some points.
	+ 
	+ What are the coordinates of $G$, $H$, and $I$ after a rotation about $(0,0)$ by 90 degrees clockwise? Plot these points on the grid, and label them $G^{′}$, $H^{′}$ and $I^{′}$.
1. Describe a sequence of transformations that takes trapezoid A to trapezoid B.
* 
* (From Unit 1, Lesson 3.)
1. Reflect polygon $P$ using line $ℓ$.
* 
* (From Unit 1, Lesson 3.)



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