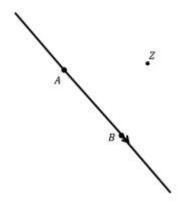
Date

Lesson 3: Translating Lines

Exit Ticket

1. Translate point Z along vector \overrightarrow{AB} . What do you know about the line containing vector \overrightarrow{AB} and the line formed when you connect Z to its image Z'?



2. Using the above diagram, what do you know about the lengths of segments ZZ' and AB?

3. Let points A and B be on line L, and the vector \overrightarrow{AC} be given, as shown below. Translate line L along vector \overrightarrow{AC} . What do you know about line L and its image, L'? How many other lines can you draw through point C that have the same relationship as L and L'? How do you know?

