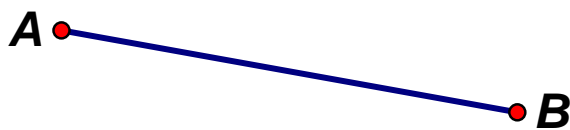


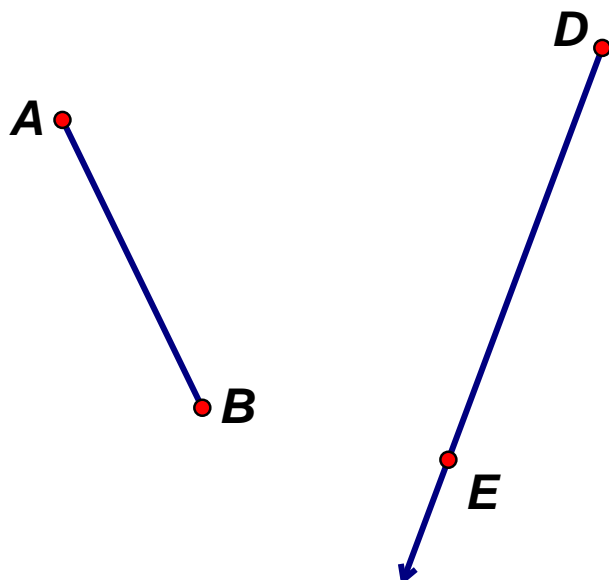
Going places with transformations

name: _____

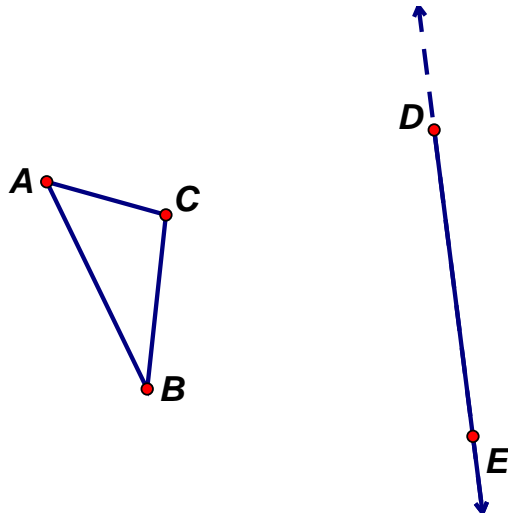
1. Describe how to find a rotation point and angle that will let you rotate the plane so that point A lands at point B . Show your process using a compass, straight edge and blank protractor.



2. Describe how to find a series of 2 rotations (points and angles) that will let you rotate twice and have the image of A be exactly at D and the image of B on the ray \overrightarrow{DE} .



3. Describe how to find a series of rotations (points and angles) and reflections (reflection lines) that will let you end up eventually with the image of A exactly on D , the image of B on ray \overrightarrow{DE} and the image of C to the **right** of \overrightarrow{DE} :



4. Describe how to find a series of rotations (points and angles) and reflections (reflection lines) that will let you end up eventually with the image of A exactly on D , the image of B on ray \overrightarrow{DE} and the image of C to the **left** of \overrightarrow{DE} :

