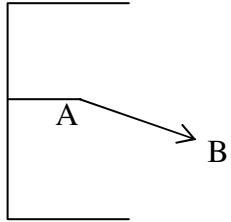


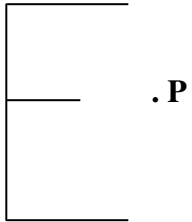
1. Carefully transform each of the following as indicated:

2pts a. Translate the "E" as indicated by the directed line segment AB.



2pts

c. Rotate the "E" 90° counterclockwise about point P



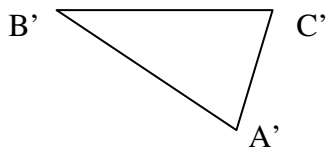
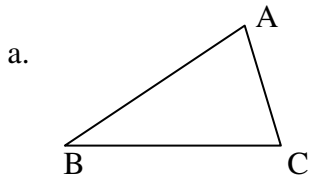
2pts

3. a. Name one property that is preserved by both an isometry and a size transformation.

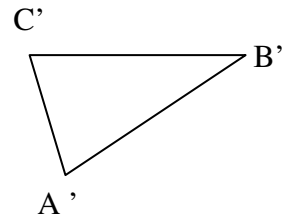
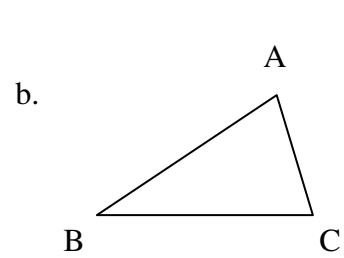
b. Name one property that is preserved by an isometry that is not preserved by a size transformation.

3pts

4. Name the type of isometry that maps each  $\Delta ABC$  on the left onto  $\Delta A'B'C'$  on the right.



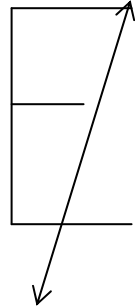
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b. Reflect the "E" over the indicated line.

3pts



3pts

2. Perform the size transformation  $S_{C,2}(ABC)$ . (Label the image  $\Delta A'B'C'$ .)

