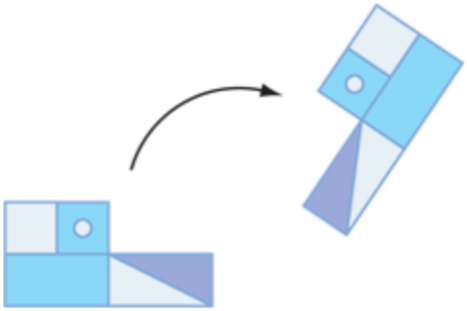
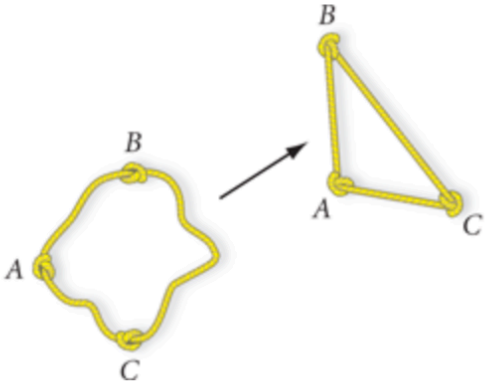
Geometry HW 8/22, due Friday 8/26
Transformations and Reflections

In Exercises 1–3, say whether the transformations are rigid or nonrigid. Explain how you know.

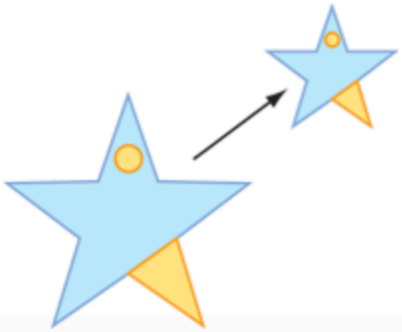
1.



2.



3.



21. $\triangle RSE$ with O, a random point on $\overline{RS}$, are reflected across line p to create $\triangle R'S'E'$. Which of the following statements are true? Explain how you know.

a. $\overline{RE} \cong \overline{R'E'}$

b. $\angle S \cong \angle S'$

c. Points R', O', and S' are collinear

d. The distance from S to line p is equal to the distance from S' to line p.