

Unit 1A: Identifying Transformations & Rigid Motion (HW7)

1. Circle which of the following are rigid transformations. Under each picture, label the transformation that has been done.

Pre-Image



a)



b)



c)



d)



e)

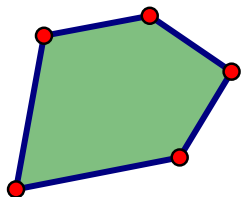


f)

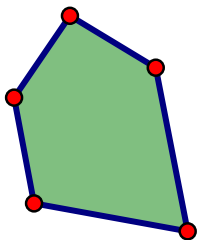


2. Circle which of the following are rigid transformations. Under each picture, label the transformation that has been done.

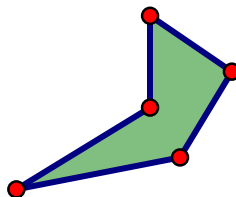
Pre-Image



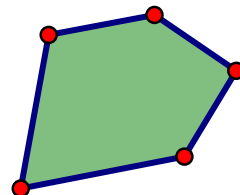
a)



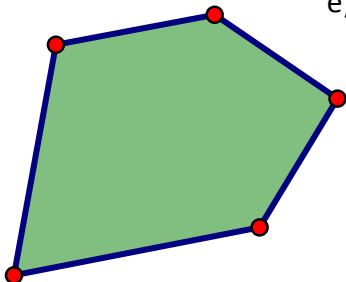
b)



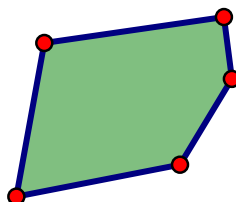
c)



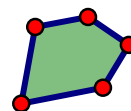
d)



e)













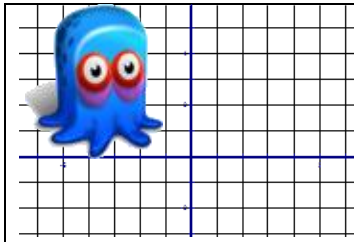
f)



3. Jane claims that a transformation on any two circles is always a rigid motion because the shape never changes. Is she correct? YES or NO Explain your answer.

4. Determine if the pre-image and image are a result of rigid motion and also which transformation produced the image.

PRE-IMAGE	Circle Answer	Circle Answer	IMAGE
	<input type="radio"/> Rigid Motion <input type="radio"/> Not Rigid Motion	<input type="radio"/> Rotation <input type="radio"/> Reflection <input type="radio"/> Translation <input type="radio"/> Dilation <input type="radio"/> Stretch <input type="radio"/> Other	
	<input type="radio"/> Rigid Motion <input type="radio"/> Not Rigid Motion	<input type="radio"/> Rotation <input type="radio"/> Reflection <input type="radio"/> Translation <input type="radio"/> Dilation <input type="radio"/> Stretch <input type="radio"/> Other	
	<input type="radio"/> Rigid Motion <input type="radio"/> Not Rigid Motion	<input type="radio"/> Rotation <input type="radio"/> Reflection <input type="radio"/> Translation <input type="radio"/> Dilation <input type="radio"/> Stretch <input type="radio"/> Other	
	<input type="radio"/> Rigid Motion <input type="radio"/> Not Rigid Motion	<input type="radio"/> Rotation <input type="radio"/> Reflection <input type="radio"/> Translation <input type="radio"/> Dilation <input type="radio"/> Stretch <input type="radio"/> Other	
	<input type="radio"/> Rigid Motion <input type="radio"/> Not Rigid Motion	<input type="radio"/> Rotation <input type="radio"/> Reflection <input type="radio"/> Translation <input type="radio"/> Dilation <input type="radio"/> Stretch <input type="radio"/> Other	



Rigid Motion

Not Rigid Motion

Rotation

Reflection

Translation

Dilation

Stretch

Other

