

# Honors Geometry

## Notes Section 4.3

### Relate Transformations & Congruence

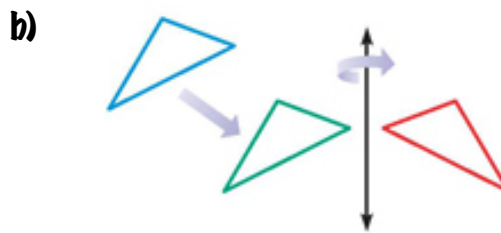
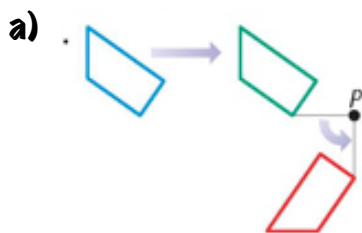
#### VOCABULARY

**Rigid Motion:** \_\_\_\_\_  
 \_\_\_\_\_

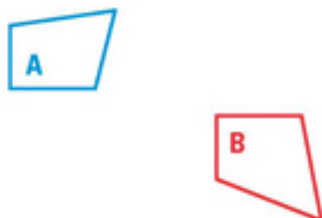
**Isometry:** \_\_\_\_\_

**Transformations:** \_\_\_\_\_

**EXAMPLE 1** Describe the transformation(s) you can use to move the blue figure onto the red figure.



**EXAMPLE 2** Explain why figure A and figure B are not congruent using transformations.



**EXAMPLE 3**

a) Describe a transformation that moves figure A onto figure B.

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b) Explain why figures C and D are congruent.

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