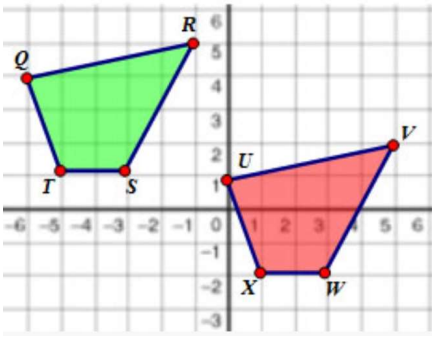
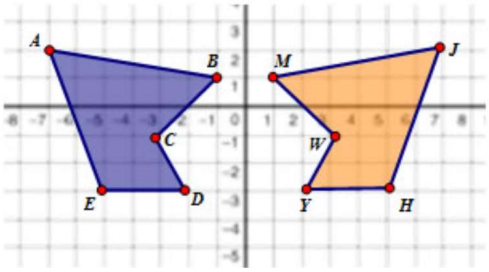
Name _____ Date _____
Mr. Schlansky Geometry

Identifying and Proving Rigid Motions

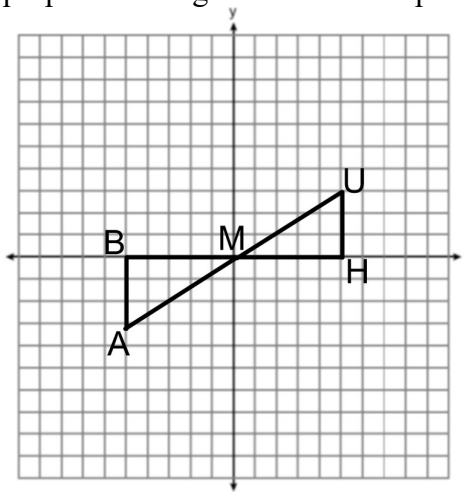
1. Identify the rigid motion that maps QRST onto UVWX. Is QRST congruent to UVWX? Use the properties of rigid motions to explain your answer.



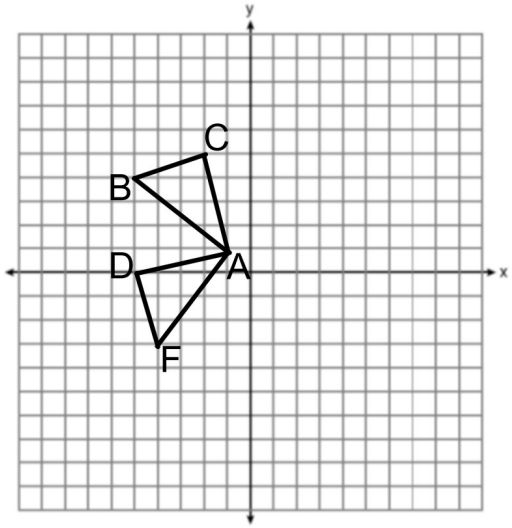
2. Identify the rigid motion that maps ABCDE onto JMWYH. Is ABCDE congruent to JMWYH? Use the properties of rigid motions to explain your answer.



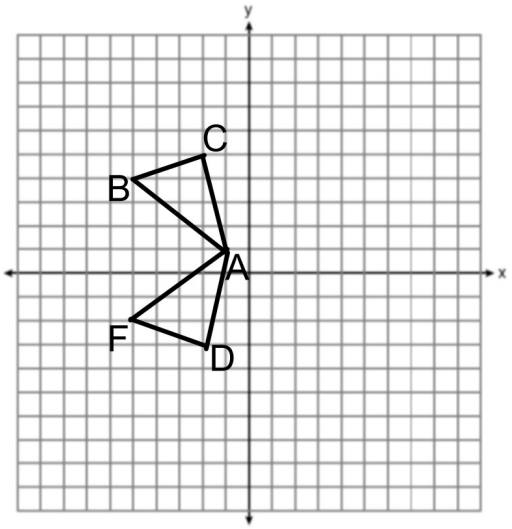
3. Identify the rigid motion that maps BAM onto HUM. Is BAM congruent to HUM? Use the properties of rigid motions to explain your answer.



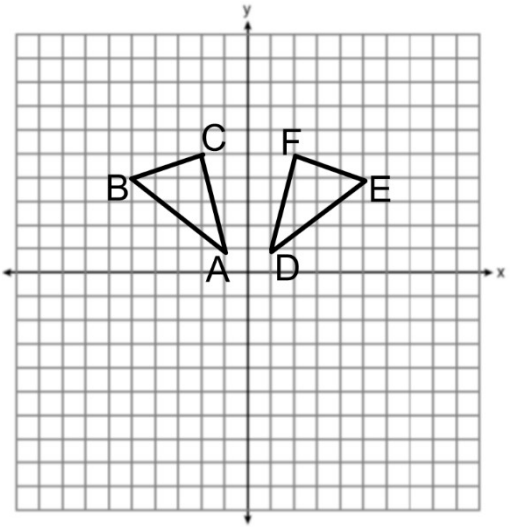
4. Identify the rigid motion that maps ABC onto AFD. Is ABC congruent to AFD? Use the properties of rigid motions to explain your answer.



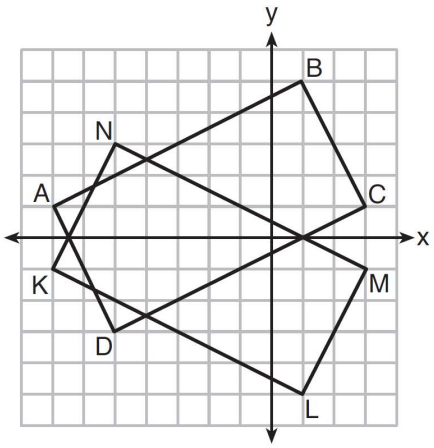
5. Identify the rigid motion that maps ABC onto AFD. Is ABC congruent to AFD? Use the properties of rigid motions to explain your answer.



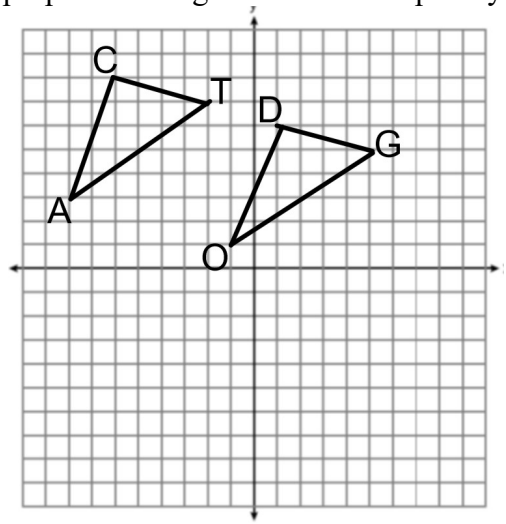
6. Identify the rigid motion that maps ABC onto DEF. Is ABC congruent to DEF? Use the properties of rigid motions to explain your answer.



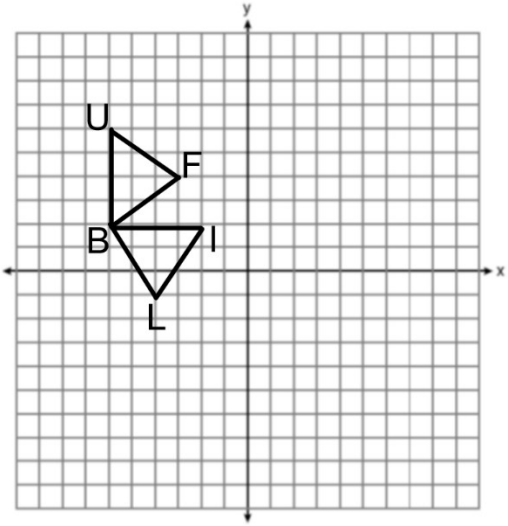
7. On the set of axes below, rectangle *ABCD* and rectangle *KLMN* are graphed. Identify the rigid motion that maps ABCD onto KLMN. Is ABCD congruent to KLMN? Use the properties of rigid motions to explain your answer.



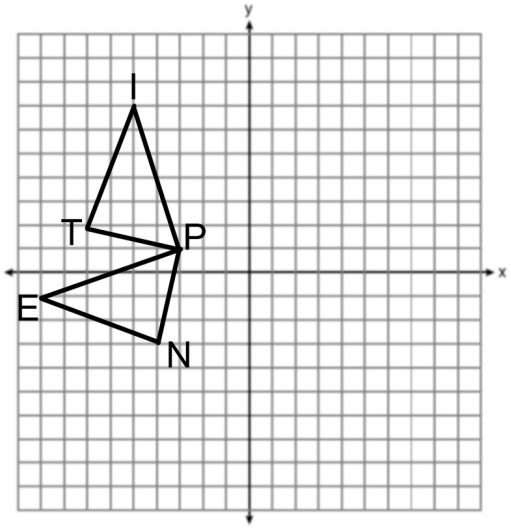
8. Identify the rigid motion that maps CAT onto DOG. Is CAT congruent to DOG? Use the properties of rigid motions to explain your answer.



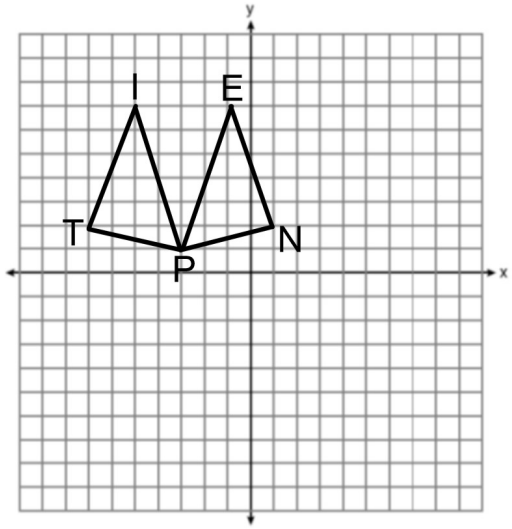
9. Identify the rigid motion that maps BUF onto BIL. Is BUF congruent to BIL? Use the properties of rigid motions to explain your answer.



10. Identify the rigid motion that maps PIT onto PEN. Is PIT congruent to PEN? Use the properties of rigid motions to explain your answer.



11. Identify the rigid motion that maps PIT onto PEN. Is PIT congruent to PEN? Use the properties of rigid motions to explain your answer.



12. Identify the rigid motion that maps VEC onto TIP. Is VEC congruent to TIP? Use the properties of rigid motions to explain your answer.