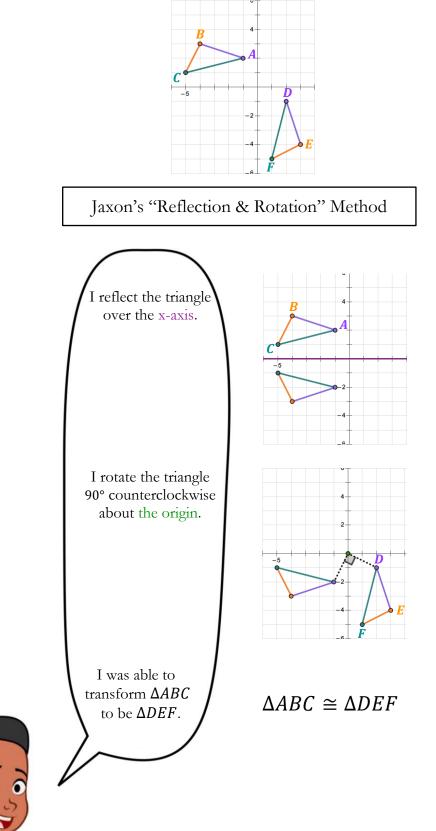
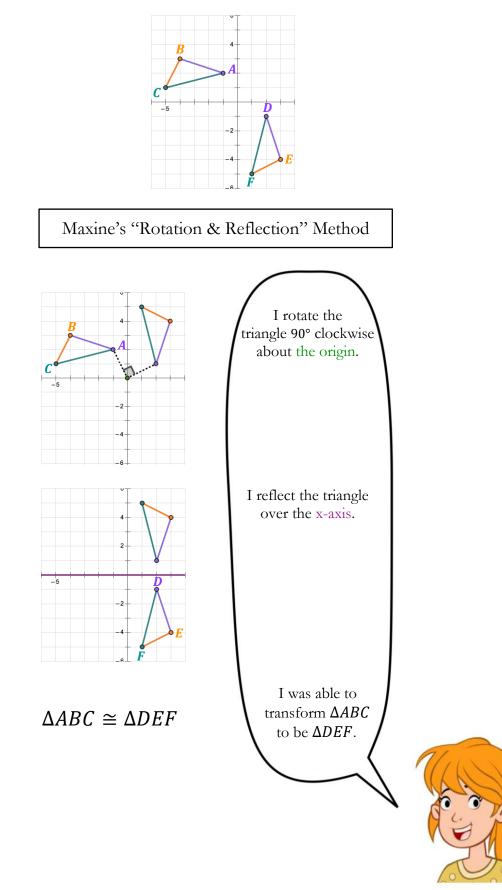
Transform  $\triangle ABC$  to show  $\triangle ABC \cong \triangle DEF$ .



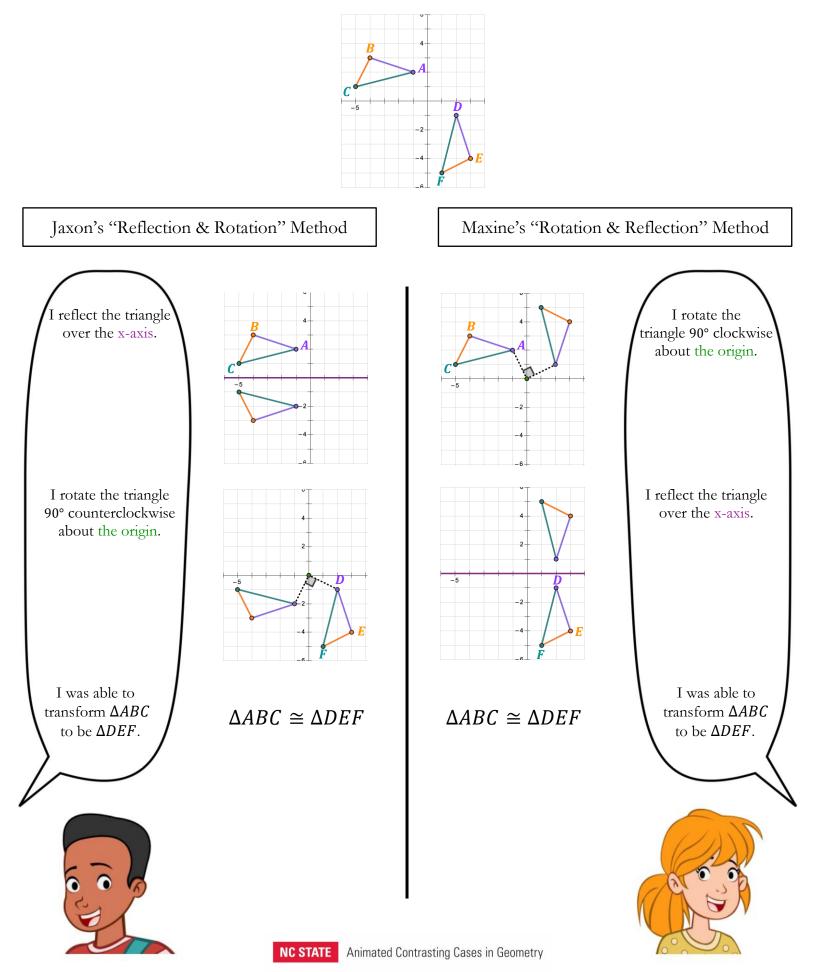


## Transform $\triangle ABC$ to show $\triangle ABC \cong \triangle DEF$ .



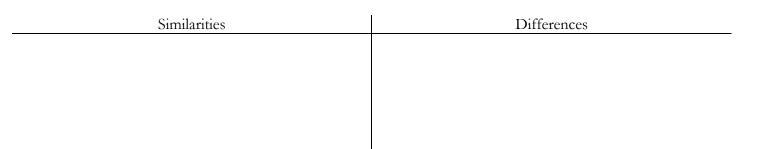
T.5: Verify Congruence

## Transform $\triangle ABC$ to show $\triangle ABC \cong \triangle DEF$ .

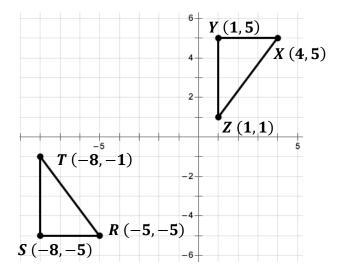


## T.5: Verify Congruence

1) What are the similarities and differences between Jaxon and Maxine's methods?



2) Using translations, reflections, and/or rotations, describe the steps that show that  $\Delta XYZ \cong \Delta RST$ .



3) How do you know if two figures are congruent?

4) To show the triangles are congruent, Maxine says you have to start with  $\Delta DEF$ . Jaxon believes she would be incorrect, and you have to start with  $\Delta ABC$ . Their friend, Shannon, says they are both right and you can start with either triangle. Explain who you think is correct and why.

