

# CREATE YOUR OWN PROOF

**Directions:** The title says it all! For this bonus activity, I want you to create your own geometry proof.

1. Create a geometry picture (or pick one from the samples below).
2. Decide what the “Prove” state should be.  
Will it be a congruency proof or a similarity proof? Think about the complexity; is it a triangle congruency or more complicated like proving a rhombus.
3. Decide what the givens should be.  
Make sure your proof will incorporate as many tools from our geometry tool box as possible. The more tools you make use of, means the more steps in to the proof. The longer the poof, the more I will like it! Be creative.
4. Include the solution to your proof on a separate page. I promise I’ll try to complete the proof without looking at the solution. Your completed solution must be at least 5 steps long.

**ONE LAST RULE:** You are not allowed to use any proof that I’ve already given you!

