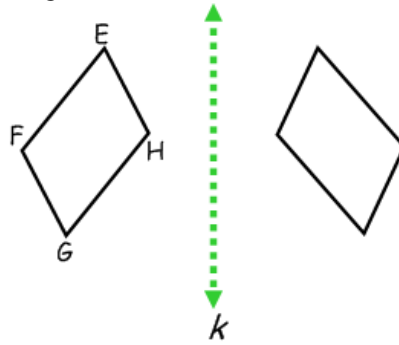


**Aim: How can we construct the line of symmetry?**

Do Now:

1. The following image shows the pre-image and image of a shape after it has been reflected over line  $k$ . Label the corresponding vertices in the image.



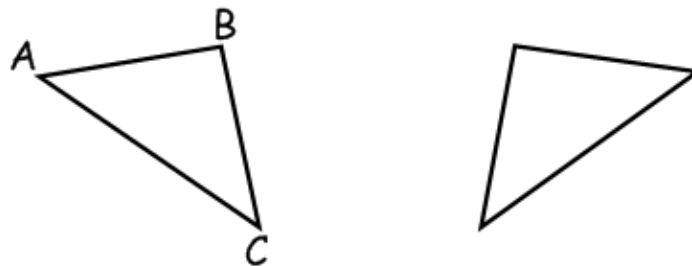
2. Connect the corresponding vertices with a line segment.

What do you notice about the relationship between each line segment you drew and the line of symmetry?

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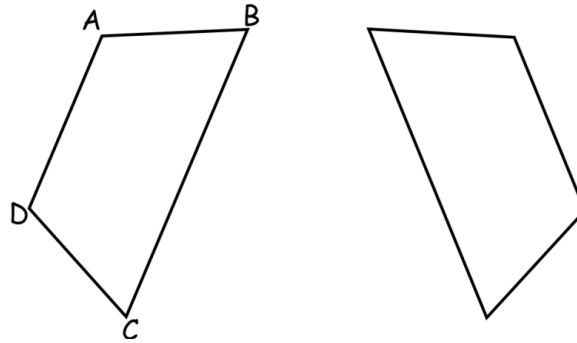
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Constructing the line of symmetry



Time to...PRACTICE!

Every person in the group should construct the perpendicular bisector of a different pair of corresponding vertices. When you are all finished, see if your lines of symmetry match! You can hold all your papers up to the light to see.



Constructing a Reflected Image:

