## Show $\triangle A B C$ and $\triangle D E F$ are similar.




## Show $\triangle A B C$ and $\triangle D E F$ are similar.




$\triangle A B C \sim \triangle D E F$

I am going to rotate the figure counterclockwise about the origin.

Now I will dilate the figure about the origin by a scale factor of $1 / 2$.

So, the triangles are
similar.

Show $\triangle A B C$ and $\triangle D E F$ are similar.



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

| Similarities | Differences |
| :--- | :--- |
|  |  |
|  |  |

b) Would you prefer to use Jaxon or Maxine's method to show similarity? Justify your choice.
2) How do you know Jaxon's "Definition" method shows the two triangles are similar?
3) How do you know Maxine's "Transformation" method shows the two triangles are similar?
4) Using translations, reflections, rotations, and/or dilations, describe the steps that show that $\triangle A B C \sim \triangle J K L$.



