

For the six-pointed star at the bottom, find the following:

1. the image of A after a 120° rotation counterclockwise around O
2. the image of \overline{TK} after a 120° rotation counterclockwise around O
3. the image of $\triangle GHI$ after a 120° rotation counterclockwise around O
4. the image of E after a reflection in line \overleftrightarrow{AG}
5. the image of \overline{CD} after a reflection in line \overleftrightarrow{AG}
6. the image of \overline{KO} after a reflection in line \overleftrightarrow{AG}
7. the image of C after a reflection in line \overleftrightarrow{LF}
8. the image of \overline{OE} after a reflection in line \overleftrightarrow{LF}
9. the image of $\angle GHI$ after a reflection in line \overleftrightarrow{LF}

