Activity Lab 7-8

Construct the perpendicular bisector of a given segment.

1. In the space below, draw a 2.5 in. segment and label the segment $EF$. Construct the perpendicular bisector of $EF$.

2. Label the points where the arcs intersect, $G$ and $H$.

3. Label the intersection of $EF$ and $GH$ point $M$.

4. Is $EM$ congruent to $MF$?

5. What angle is formed where the perpendicular segments intersect?

6. If $EF$ is 2.5 in., what is $EM$?

7. Name the perpendicular bisector.