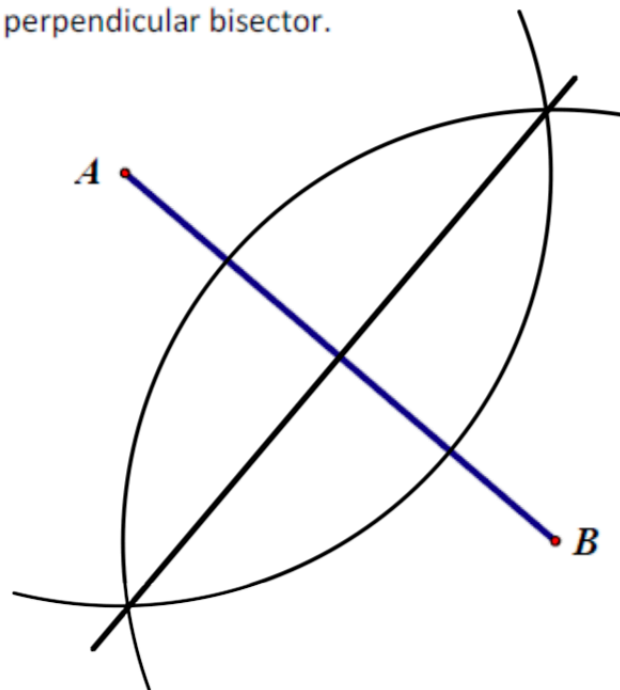
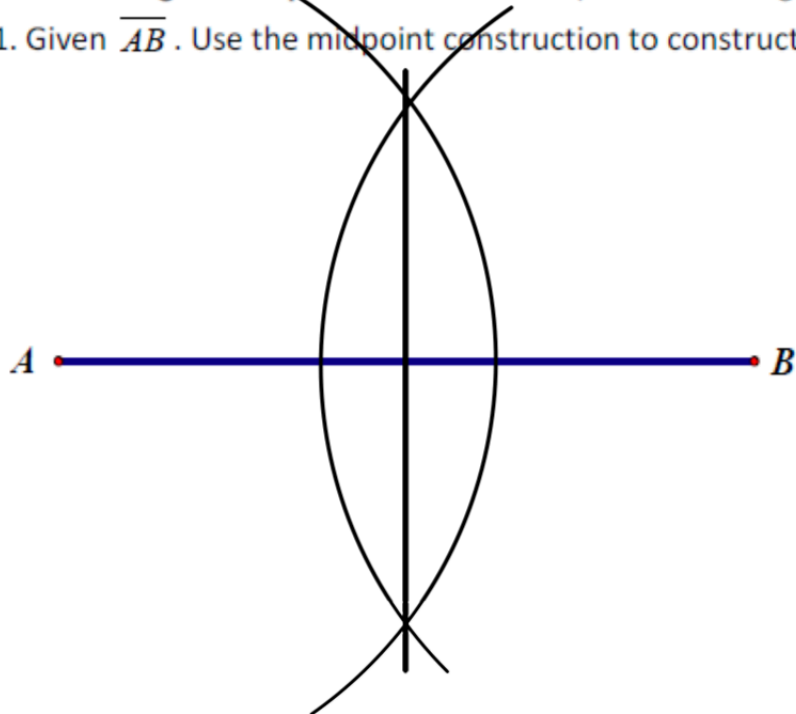


Unit 1 Lesson 3 HOMEWORK

NAME: _____

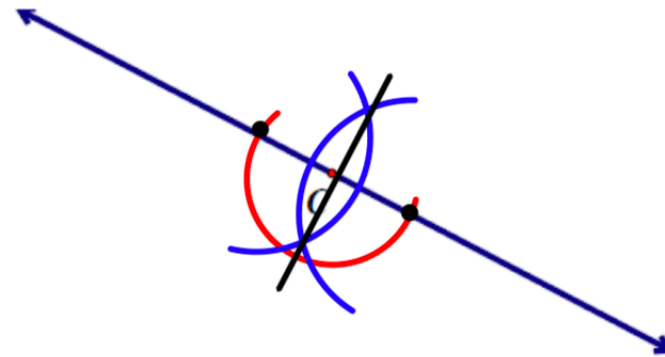
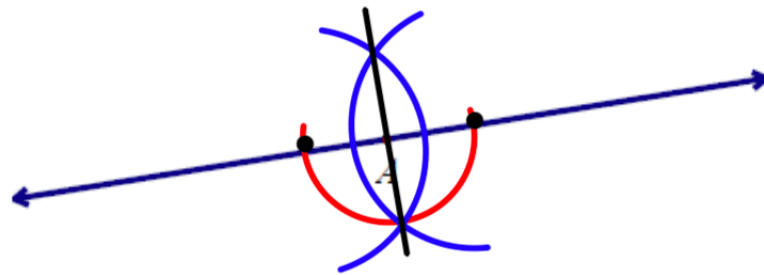
Constructing the Perpendicular Bisector (a \perp line through the midpoint of a segment).

1. Given \overline{AB} . Use the midpoint construction to construct the perpendicular bisector.



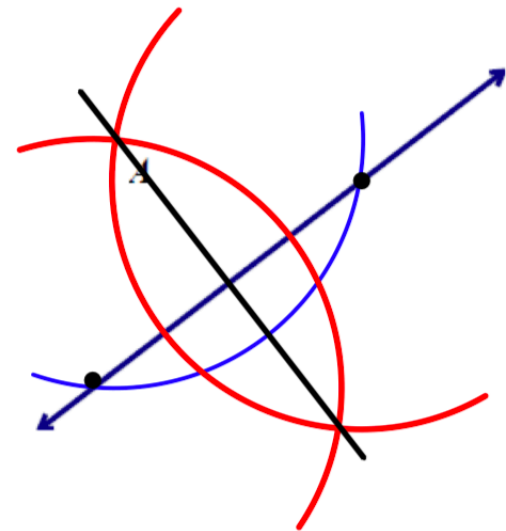
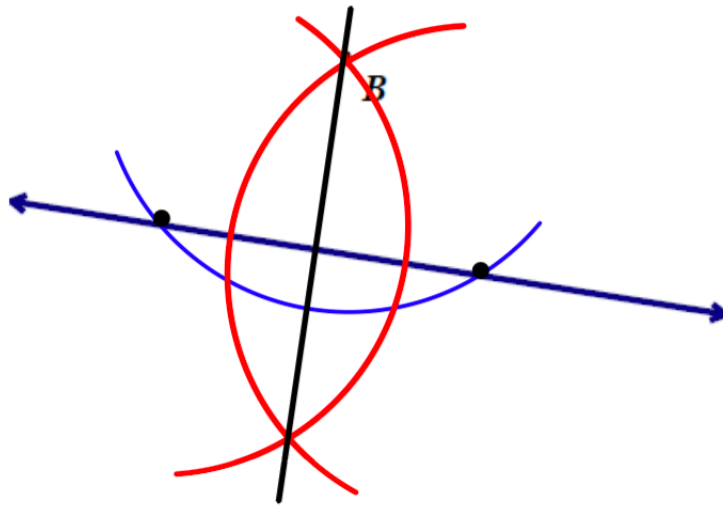
Construct the perpendicular line THROUGH A POINT ON THE LINE.

2. Work backwards from the midpoint construction.



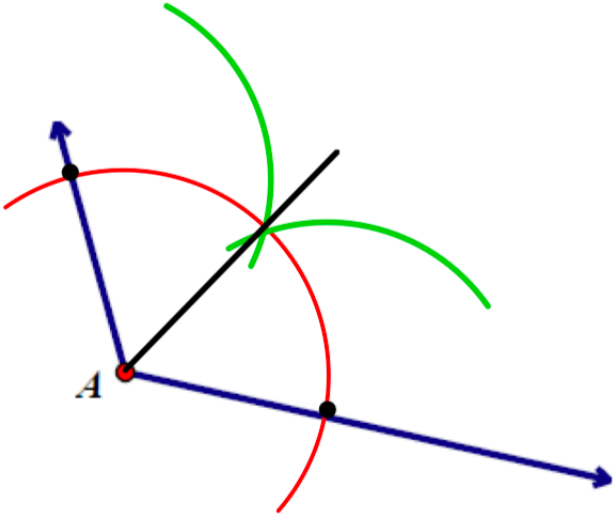
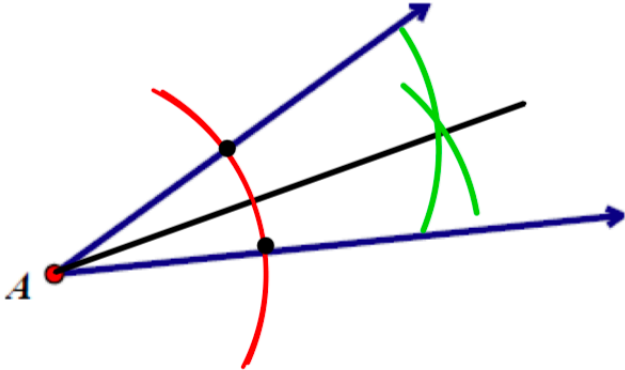
Construct the perpendicular line THROUGH A POINT not on THE LINE.

3. Work backwards through the midpoint construction.



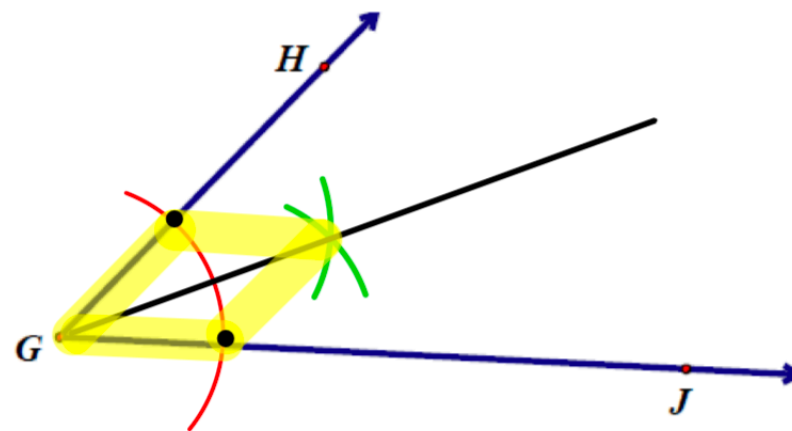
Construct the angle bisector.

4. Given $\angle A$, construct the angle bisector, ray \overline{AD} .

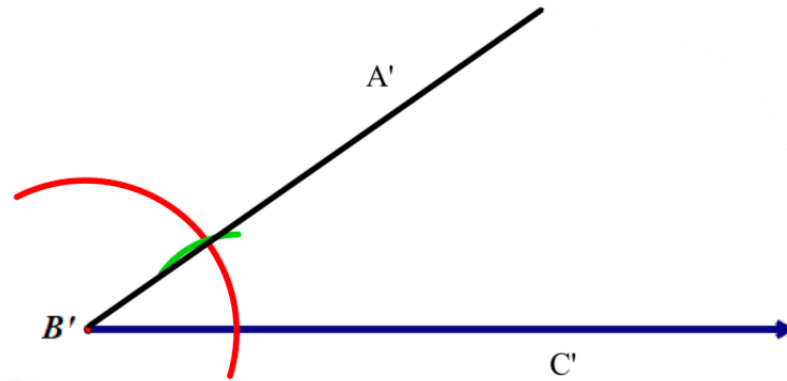
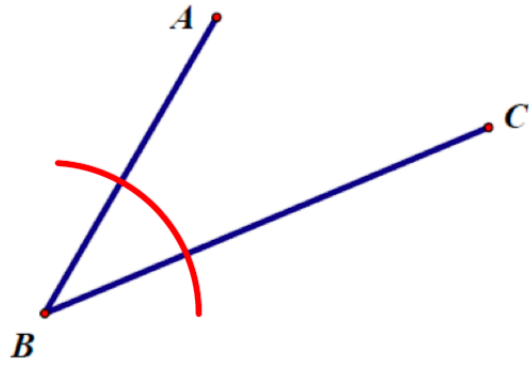


5. Why does this work? What shape is formed in this construction... again... Construct the angle bisector for the below angle but label everything to display where the Rhombus is found in the construction.

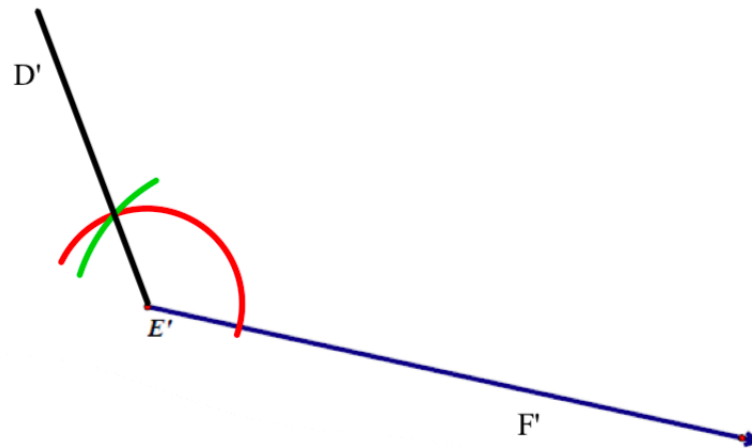
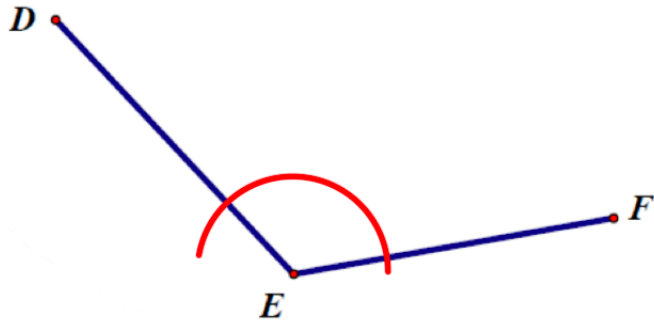
Show/Hide Screen Shade



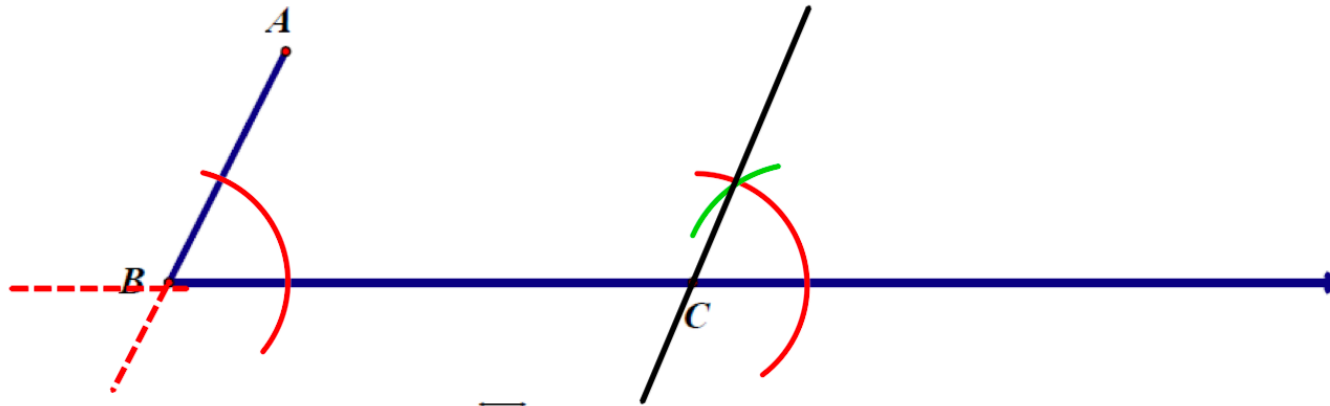
6. Given $\angle ABC$. Make a copy of $\angle ABC$, $\angle A'B'C'$.



7. Given $\angle DEF$. Make a copy of $\angle DEF$, $\angle D'E'F'$.



8. Construct a line parallel to \overline{AB} through point C?



9. Create a parallel line to \overline{DE} through point F.

