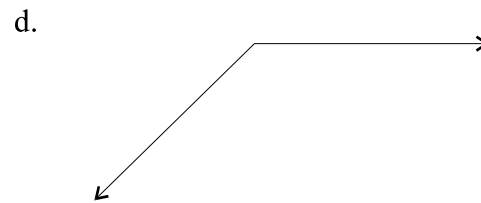
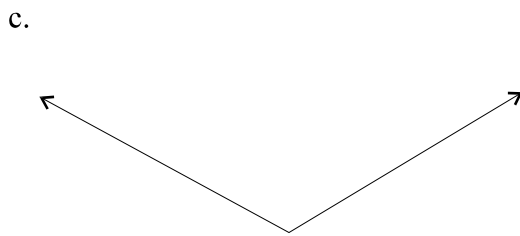
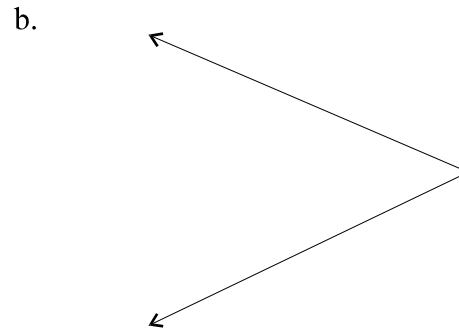
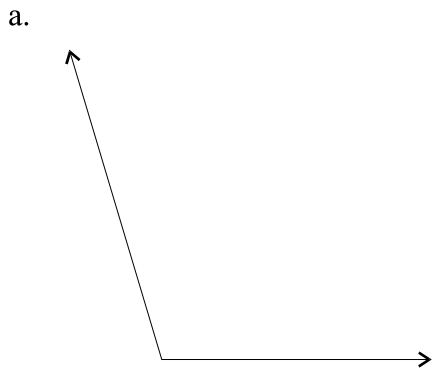
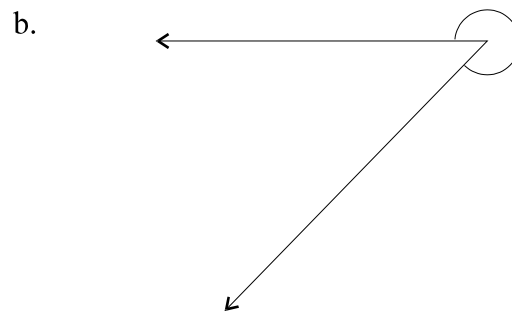
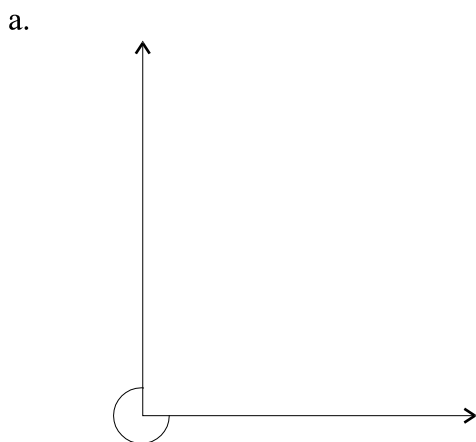


CONSTRUCTION GEOMETRY 4: CONSTRUCTING BISECTORS

1. Use only a compass and straightedge to bisect the following angles.

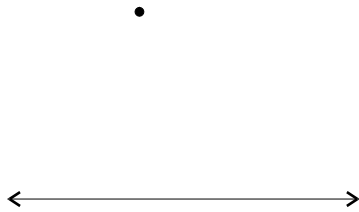


2. Bisect the reflex angles.

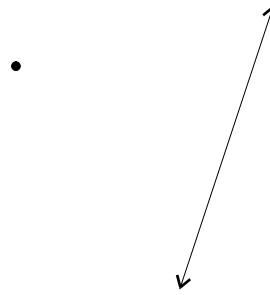


3. Construct a perpendicular line to the given line through the given point.

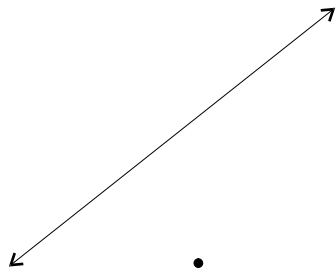
a.



b.

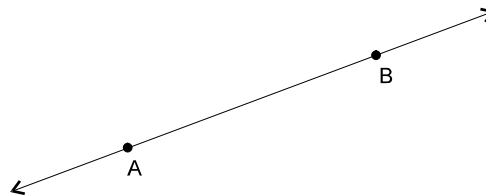


c.

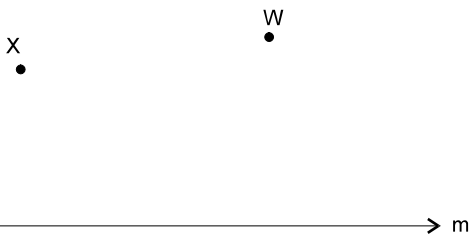


4. Construct the following

a. a line \overleftrightarrow{AC} where $\overleftrightarrow{AC} \perp \overleftrightarrow{AB}$



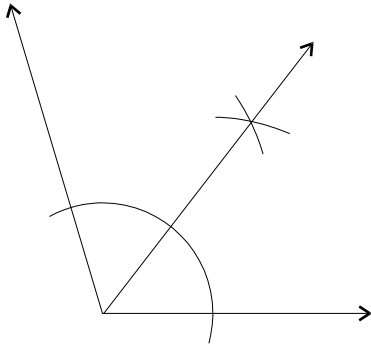
b. lines \overline{XY} and \overline{WZ}
so that $\overleftrightarrow{XY} \perp m$ and $\overleftrightarrow{WZ} \perp m$



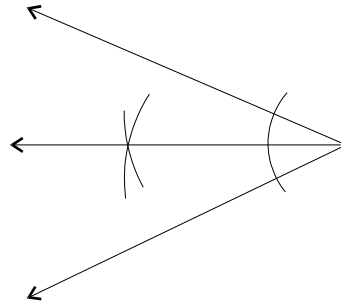
ANSWER KEY

1.

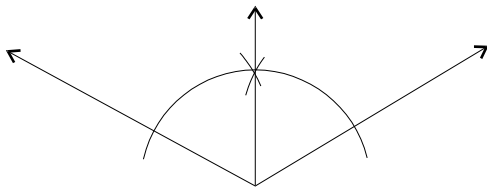
a.



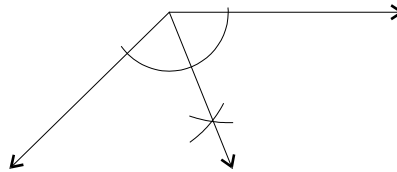
b.



c.

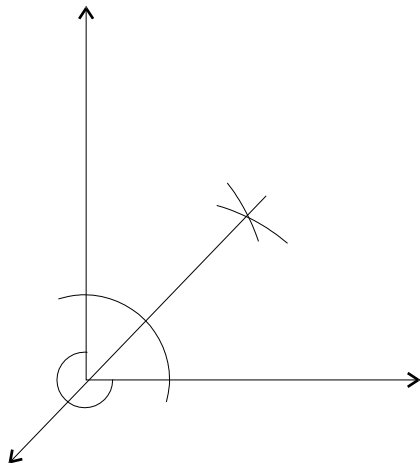


d.

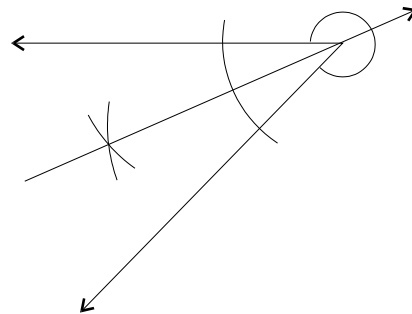


2.

a.

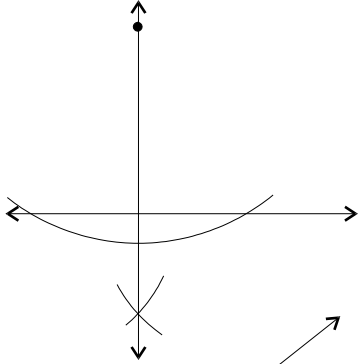


b.

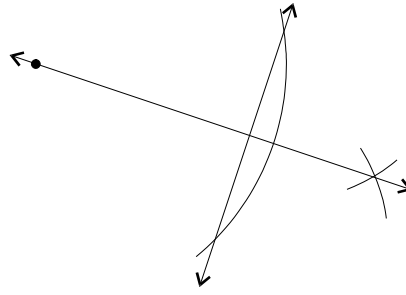


3.

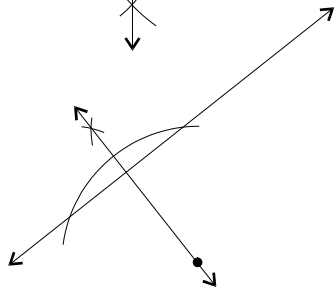
a.



b.

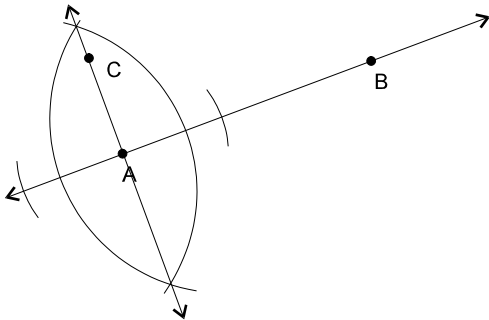


c.

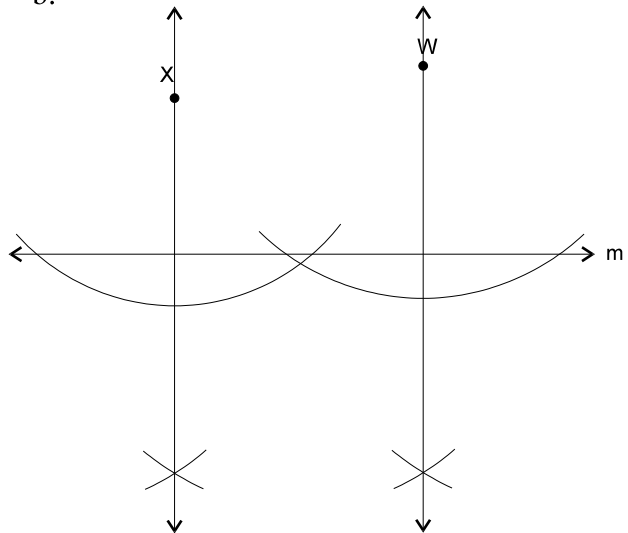


4.

a.



b.



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