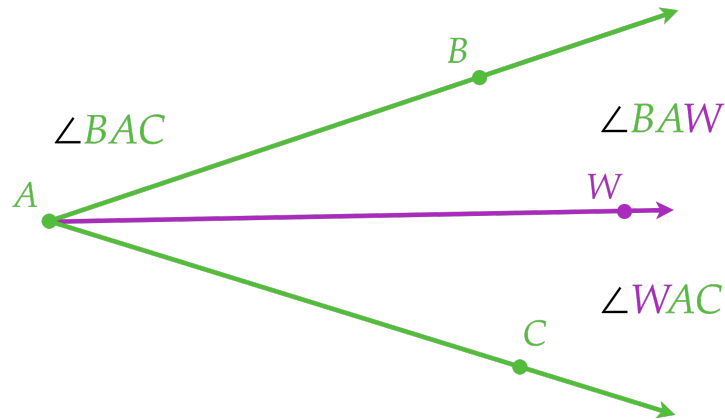
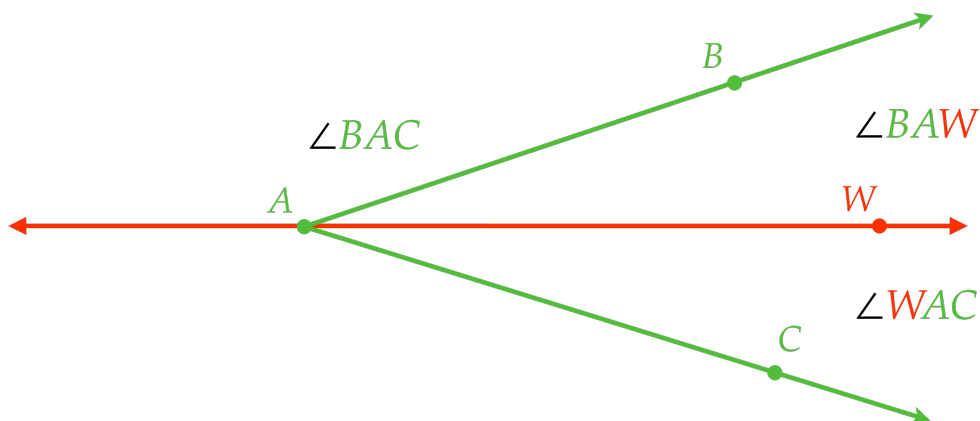


An **angle** bisector is any **ray**, **line**, or **segment** that divides an **angle** into two angles of equal measure.



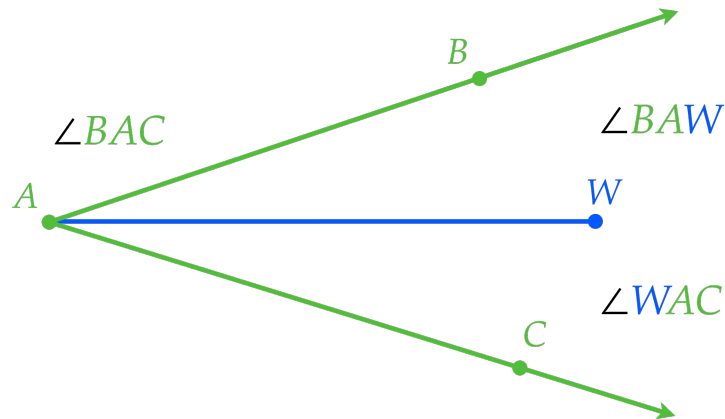
If $m\angle BAW = m\angle WAC$, then \overrightarrow{AW} is an angle bisector of $\angle BAC$

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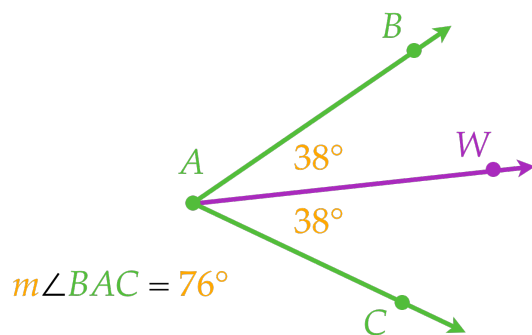
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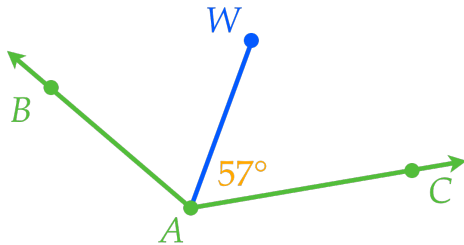
If $m\angle BAW = m\angle WAC$, then \overrightarrow{AW} is an angle bisector of $\angle BAC$

An **angle** bisector is any **ray**, **line**, or **segment** that divides an **angle** into two angles of equal measure.



Given \overrightarrow{AW} bisects $\angle BAC$,
find $m\angle BAW$

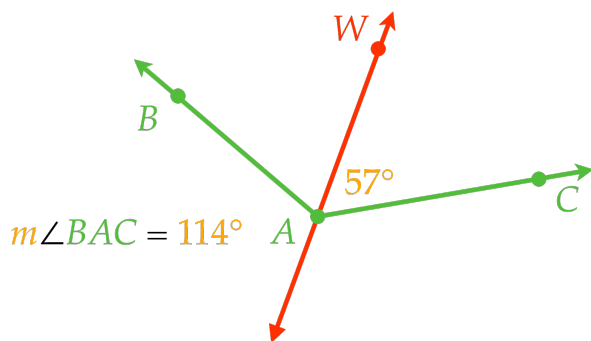
An **angle** bisector is any **ray**, **line**, or **segment** that divides an **angle** into two angles of equal measure.



Given \overrightarrow{AW} bisects $\angle BAC$,
find $m\angle BAC$

$$m\angle BAW = m\angle WAC$$

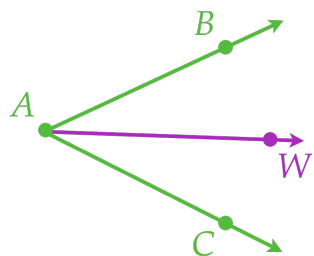
An **angle** bisector is any **ray**, **line**, or **segment** that divides an **angle** into two angles of equal measure.



Determine if \overleftrightarrow{AW} bisects $\angle BAC$

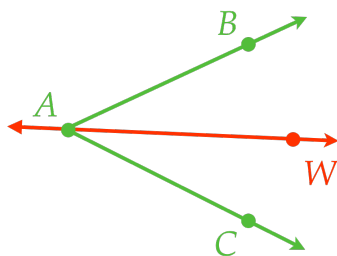
An **angle** bisector is any **ray**, **line**, or **segment** that divides an **angle** into two angles of equal measure.

Ray



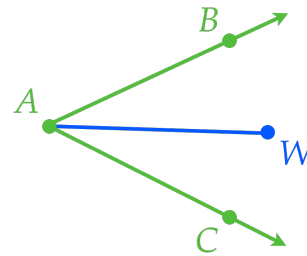
If $m\angle BAW = m\angle WAC$,
then \overrightarrow{AW} is an angle bisector

Line



If $m\angle BAW = m\angle WAC$,
then \overleftrightarrow{AW} is an angle bisector

Segment



If $m\angle BAW = m\angle WAC$,
then \overline{AW} is an angle bisector