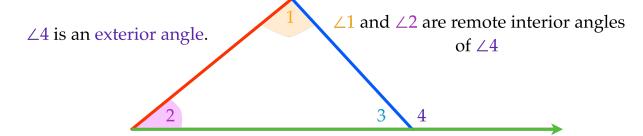
Exterior Angle

An exterior angle is formed by one side of a triangle and the extension of another side.

Remote Interior Angles

The remote interior angles are the non-adjacent angles to the given exterior angle.

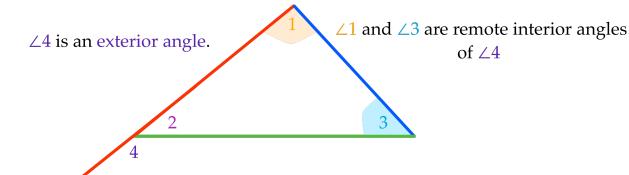


Exterior Angle

An exterior angle is formed by one side of a triangle and the extension of another side.

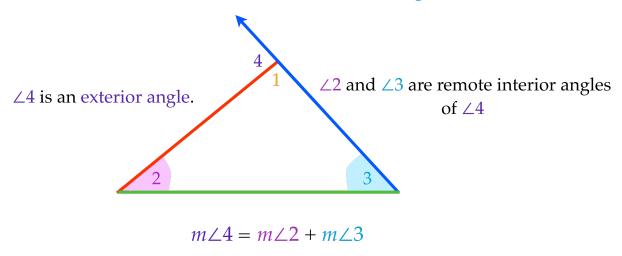
Remote Interior Angles

The remote interior angles are the non-adjacent angles to the given exterior angle.

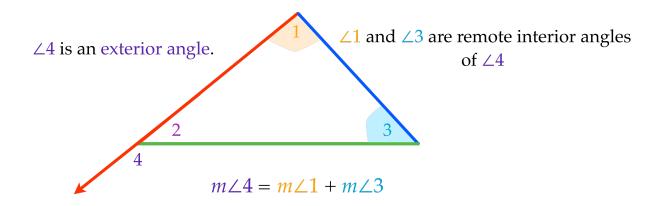


Exterior Angle An exterior angle is formed by one side of a triangle and the extension of another side. An exterior angle is formed by one side of a triangle and the extension of another side. An exterior angle is formed by the remote interior angles are the non-adjacent angles to the given exterior angle. An exterior Angles The remote interior angles are the non-adjacent angles are given exterior angle. An exterior angle is formed by one side of a triangle and the given exterior angles of $\angle 4$ and $\angle 3$ are remote interior angles of $\angle 4$

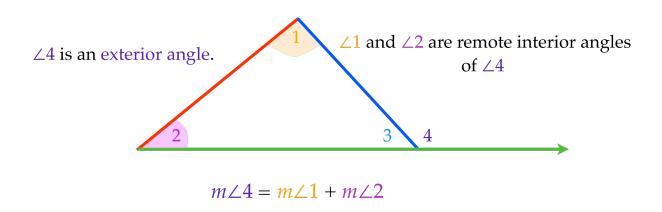
The measure of an exterior angle of a triangle is equal to the sum of the measures of the two remote interior angles.



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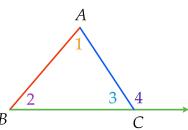
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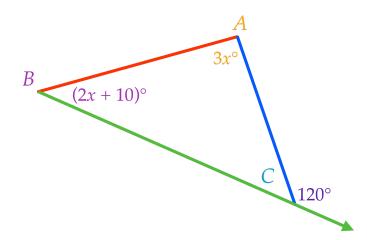
Reasons	
	Reasons

Given: $\triangle ABC$

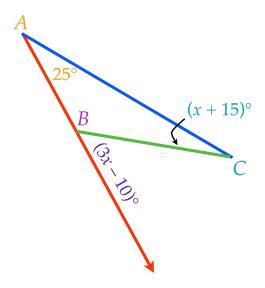
Prove: $m \angle 4 = m \angle 2 + m \angle 1$



Determine the $m \angle A$, $m \angle B$, and $m \angle C$.



Determine the $m \angle A$, $m \angle B$, and $m \angle C$.



The measure of an exterior angle of a triangle is equal to the sum of the measures of the two remote interior angles.

