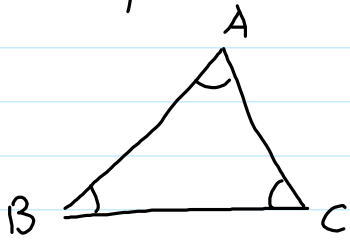


2.3 Angle Properties in Triangles

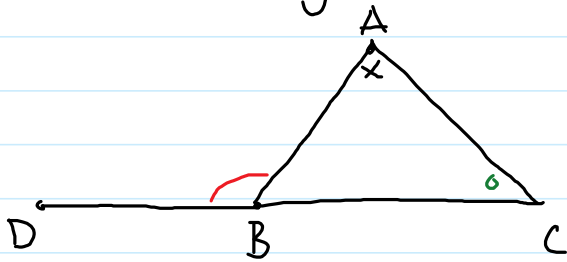
February 4, 2016 2:08 PM

You can prove properties of angles in triangles using other properties that have already been proven



$$\angle A + \angle B + \angle C = 180$$

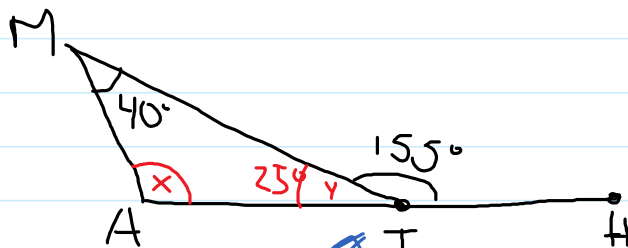
The measure of any exterior angle of a triangle is proven to be = to the sum of the measures of the 2 non-adjacent interior angles



$$\angle DBA = \angle A + \angle C$$

($\angle BAC$) ($\angle ACB$)

Ex #1



$$180^\circ - 25^\circ = 40^\circ$$

$$x = 115^\circ$$



$$y = 25^\circ$$

$$180 - 155 = 25^\circ$$

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