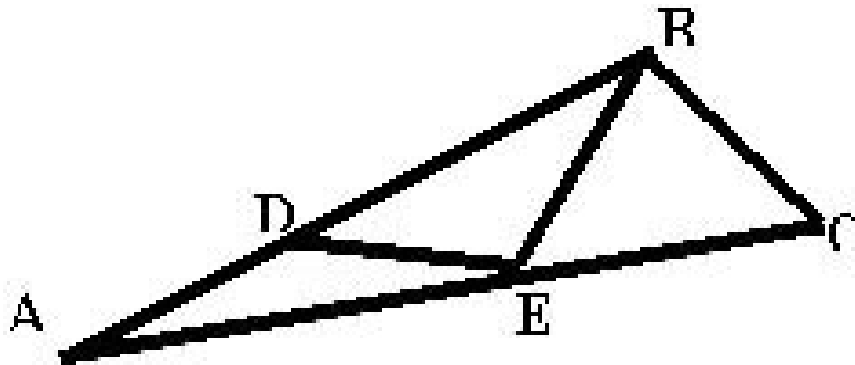


In triangle ABC, $AD=DE=BE=BC$, and $m\angle ABC=140^\circ$.

What is the degree measure of $\angle C$?



This figure is *not* drawn to scale.

What do you notice about each angle?

Angle	Guess	Check
$\angle ABC$	<i>140 degrees</i>	<i>Given in the problem.</i>
$\angle ABE$		
$\angle BCE$ or $\angle C$		
$\angle BEC$		
$\angle EBC$		
$\angle DEB$		
$\angle BDE$		
$\angle BAC$ or $\angle A$		
$\angle ADE$		
$\angle AED$		

Explain how you found the measure of $\angle C$.