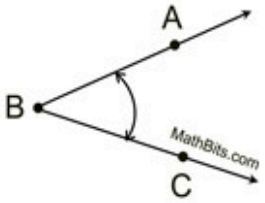
Geometry CC – Unit 1
Lesson 1: Basic Geometric Symbols

Name: _____
Date: _____

Let's look at some Geometric Symbols and how we interpret them!

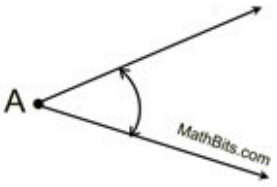
Geometric Symbol	Interpretation	Example
$\angle$ or $\measuredangle$ or $\sphericalangle$		
$\triangle$ or Δ		
capital letter		
$\leftrightarrow$		
$\overline{\quad}$		
$\rightarrow$ or $\leftarrow$		
$\parallel$		
$\perp$		
$\cong$		
$\sim$		

Angles!



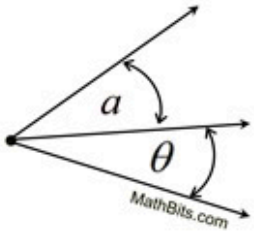
$\measuredangle ABC$ or $\measuredangle CBA$

Angles are labeled by specifying 3 points, with the center point being the vertex of the angle. This angle is NOT $\angle BAC$.



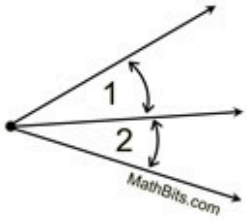
$\measuredangle A$

Angles may be labeled with a single letter at the vertex, as long as it is perfectly clear that there is only one angle at this vertex.



$\measuredangle a$ and $\measuredangle \theta$

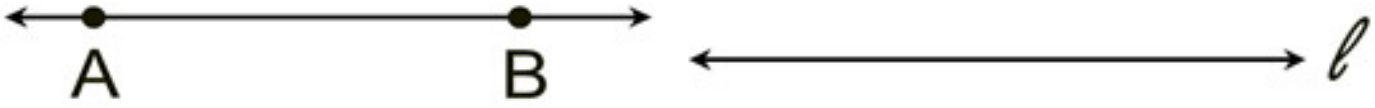
Angles may be represented by a single lower case letter or by a Greek letter, as long as it is clear which angle is being referenced.



$\measuredangle 1$ and $\measuredangle 2$

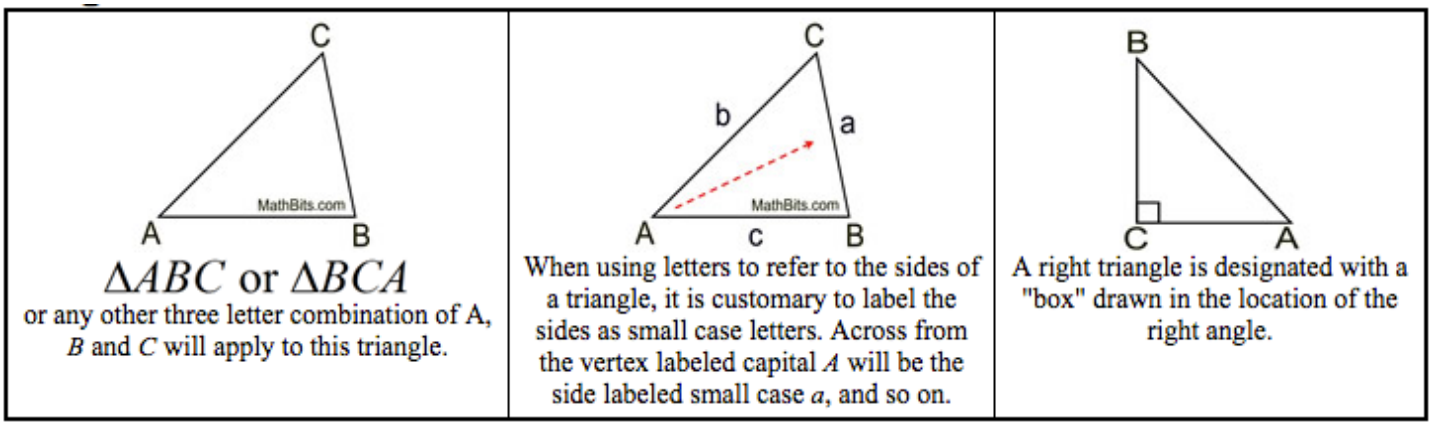
Angles may also be represented by numbers, as long as it is clear to which angle the number applies.

How about lines?

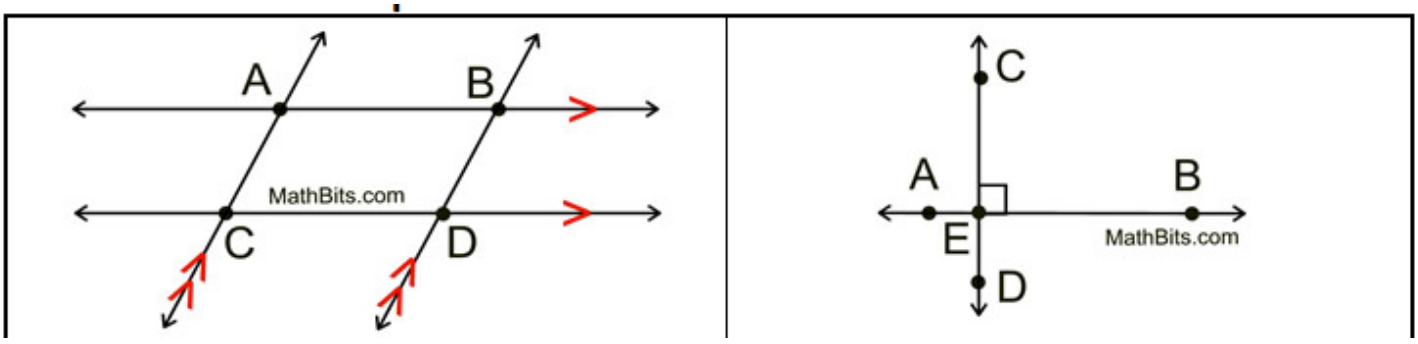


Closed figures are important too!

Triangles:



Parallels and Perpendiculars:



Congruent Sides and Angles: