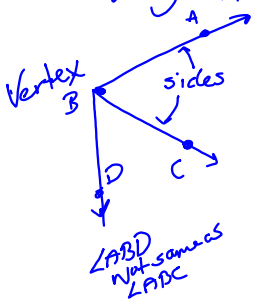
2-5 Angle Relationships



Name by
Vertex
$\angle B$
or by sides/vertex
$\angle ABC$ or $\angle CBA$

$\angle ABD$ Not same as $\angle ADC$

Classify by measure

Acute
$< 90°$

Right
$= 90°$

Obtuse
$90° < m\angle < 180°$

Straight
$= 180°$

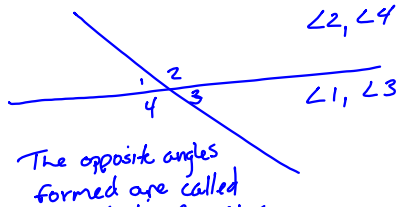
If angles have the same measure

$m\angle A = 79°$
$m\angle B = 79°$
$m\angle A = m\angle B$

we say they are congruent

$\angle A \cong \angle B$

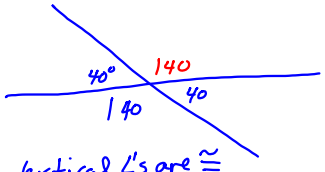
Two Lines intersect



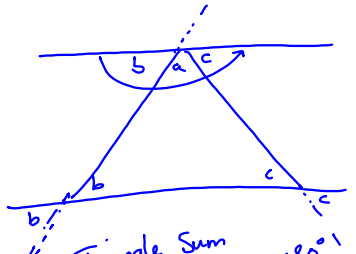
$\angle 2, \angle 4$

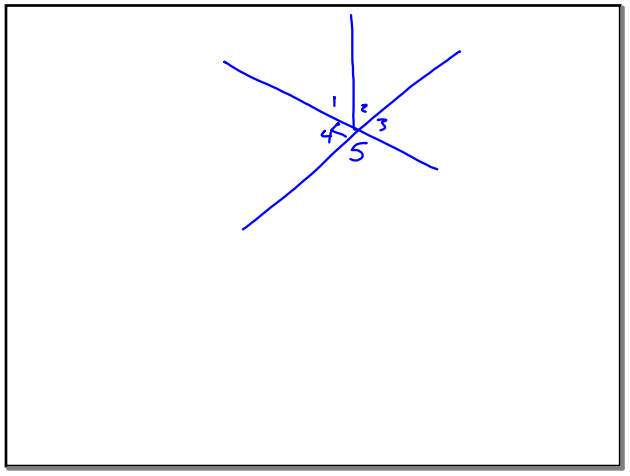
$\angle 1, \angle 3$

The opposite angles formed are called Vertical angles



Vertical $\angle$'s are $\cong$



Triangle Sum
$m\angle A + m\angle B + m\angle C = 180°$

September 30, 2016