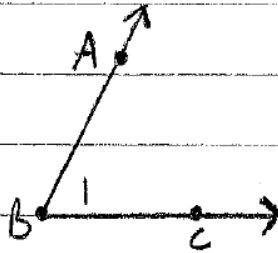
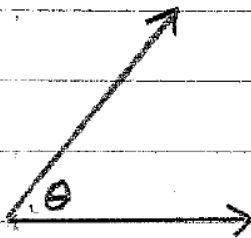


Angle Relationships



Names: $\angle ABC$, $\angle CBA$, $\angle B$, $\angle 1$

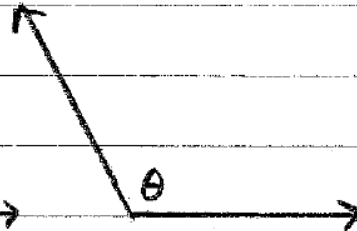
Types of Angles



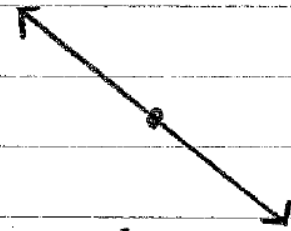
Acute Angle
 $0^\circ < \theta < 90^\circ$



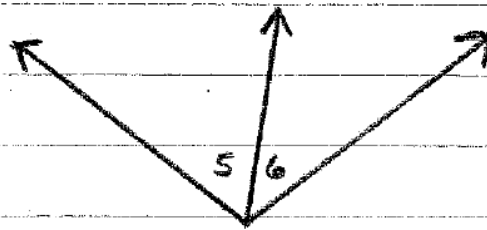
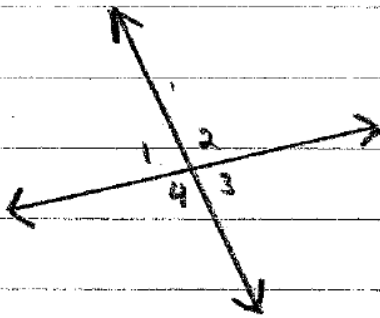
Right Angle
 $\theta = 90^\circ$



Obtuse Angle
 $90^\circ < \theta < 180^\circ$



Straight Angle
 $\theta = 180^\circ$



Vertical Angles

$$\angle 1 \cong \angle 3$$

$$\angle 2 \cong \angle 4$$

↕ Congruent

Adjacent Angles (Share a

$$\angle 5, \angle 6$$

$$\angle 1, \angle 2$$

$$\angle 3, \angle 4$$

$$\angle 2, \angle 3$$

$$\angle 1, \angle 4$$

side and
vertex)