




# 1.0 Vocabulary


Tuesday, July 11, 2017 1:04 PM

**Angles:** Made from 2 rays with a common vertex. 4 Names

**Acute:**  $0^\circ < x < 90^\circ$  

**Right:**  $x = 90^\circ$  

**Obtuse:**  $90^\circ < x < 180^\circ$  

**Straight:**  $180^\circ$  

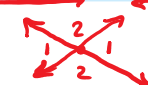
**Angle Pairs:** When 2 or more angles are next to each other

**Adjacent:** Share a vertex and side 

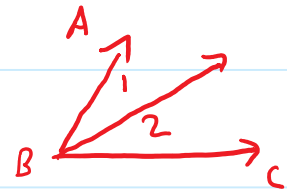
**Linear Pair:** Adjacent  $\angle$ s that have opposite rays 

**Complementary Angles:** Add up  $90^\circ$  

**Supplementary Angles:** Add up  $180^\circ$  

**Vertical Angles:** Sides are opposite rays 

**Angle Addition Postulate:** The sum of two smaller adjacent angles is equal to the larger combined angle



**Parallel Lines:** 2 or more coplanar lines that do not intersect



**Transversal:** A line that connects 2 or more coplanar lines

**Angle Pair Relationships:**

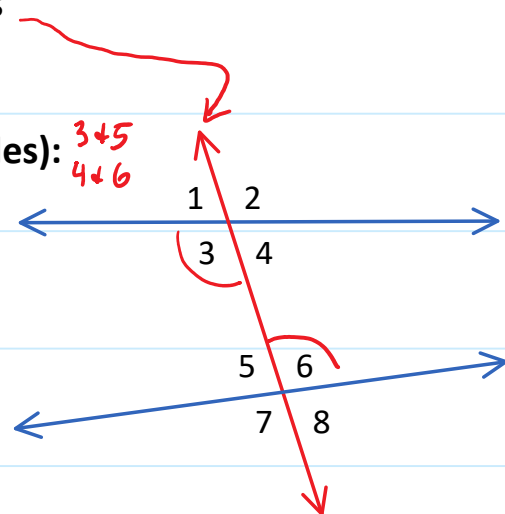
**Same Side Interior Angles (Consecutive Interior Angles):**  $3+5$ ,  $4+6$

**Alternate Interior Angles:**  $3+6$ ,  $4+5$

**Same Side Exterior Angles:**  $1+7$ ,  $2+8$

**Alternate Exterior Angles:**  $1+8$ ,  $2+7$

**Corresponding Angles:**  $1+5$ ,  $2+6$ ,  $3+7$ ,  $4+8$



**Triangle Sum Theorem:** The sum of the 3 angles of a triangle is equal to  $180^\circ$

