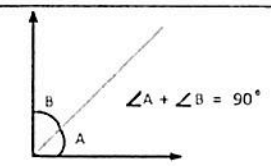
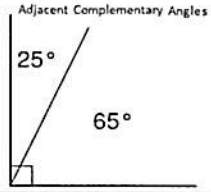
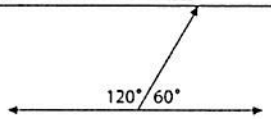
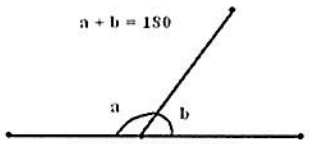
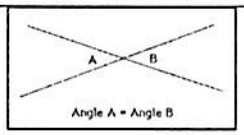
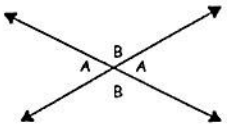
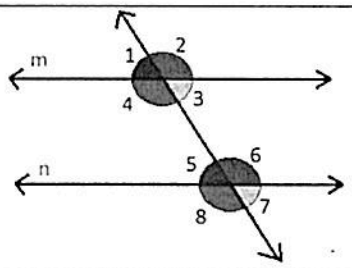
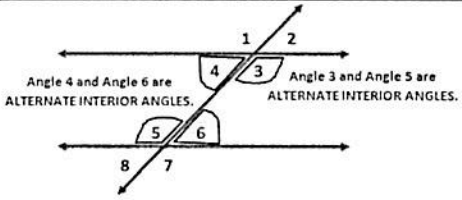
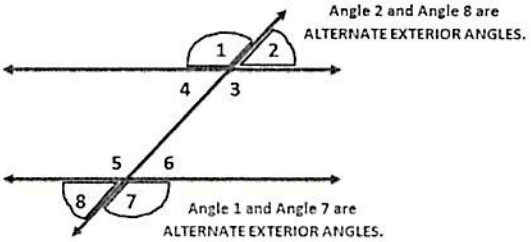
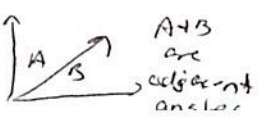
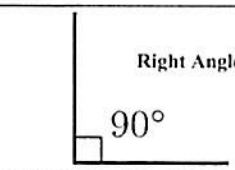
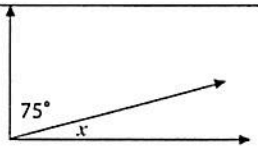
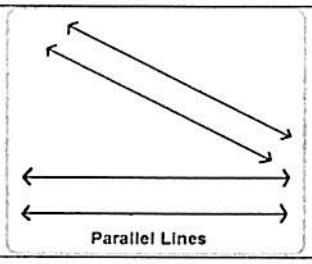
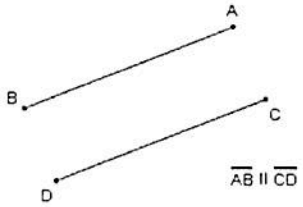
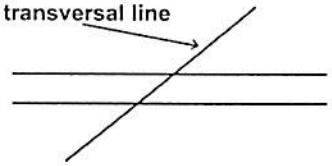
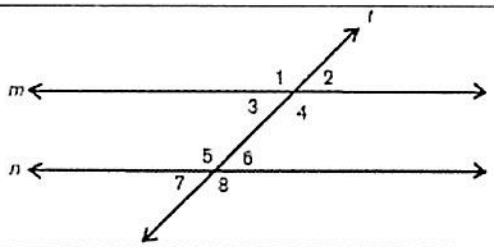
Pairs of Angles			
Name of Angle Pair	**Measure**	**Looks Like:**	**Equation to use**
Complimentary Angle	Adds to 90°	 Adjacent Complementary Angles 	$\angle 1 + \angle 2 = 90°$
Supplementary Angle	Adds to 180°	  Supplementary angle	$\angle 1 + \angle 2 = 180°$
Vertical Angles	Congruent ≅ The angles have the same measure	 	$\angle 1 = \angle 2$
Corresponding Angles	Congruent ≅ The angles have the same measure		A pair of congruent angles that have the **SAME** position on two **different parallel lines** cut by a transversal
Alternate Interior Angles	Congruent ≅ The angles have the same measure		A pair of congruent angles that are on **OPPOSITE** sides of the transversal and **INSIDE** the parallel lines.
Alternate Exterior Angles	Congruent ≅ The angles have the same measure		A pair of congruent angles that are on **OPPOSITE** sides of the transversal and **OUTSIDE** the parallel lines.

Adjacent: means next to. They share a common side + vertex



Symbols to Know

Symbol	What it means	How we see it
≅	Congruent	∠1 ≅ ∠2 Angle 1 is congruent to Angle 2
∠ ∠	Angle	∠1 ∠2 ∠3 ∠ABC ∠DEF
$m\angle$	Measure of angle	Find the $m\angle AED$ Find the measure of angle AED
°	Degrees	∠1 = 90°
	Right Angle	
	Parallel Lines	
	Transversal	
⊥	Perpendicular