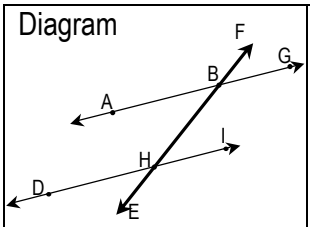
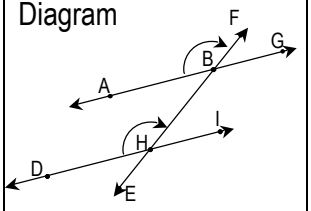
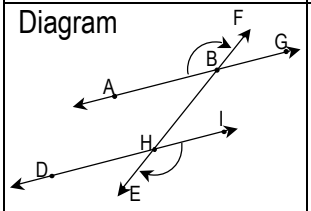
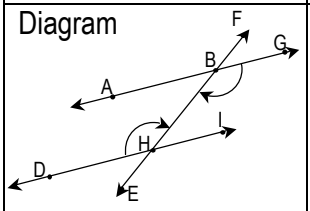
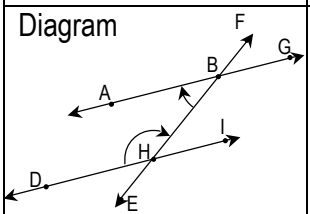
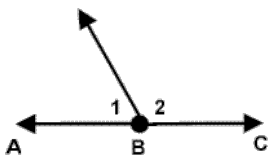
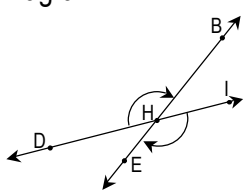
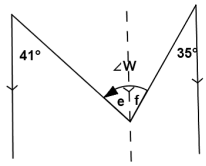
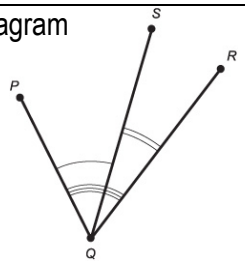
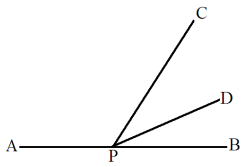
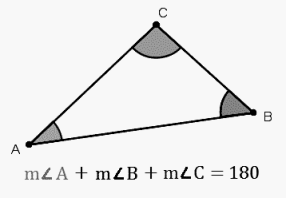
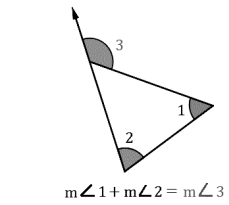
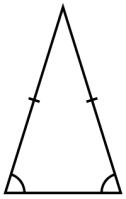
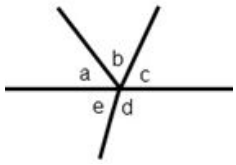
N11 ANGLES NOTES **Name**_____ **N11**

Diagram	Term	Description:	Examples:
	**transversal** **Notation/Name:**	A line that intersects two or more other lines	Non-Examples:
Diagram 	**Term** **corresponding angles** **Notation/Name:** $\|\| \leftrightarrow \cong$	Description: Angles formed by two lines and a transversal that are in the same relative location in regards to the transversal and the line the transversal intersects.	Examples: Non-Examples:
Diagram 	**Term** **alternate exterior angles** **Notation/Name:** $\|\| \leftrightarrow \cong$	Description: Angles formed by two lines and a transversal that are outside of the two lines and on opposite sides of the transversal.	Examples: Non-Examples:
Diagram 	**Term** **alternate interior angles** **Notation/Name:** $\|\| \leftrightarrow \cong$	Description: Angles formed by two lines and a transversal that are inside of the two lines and on opposite sides of the transversal.	Examples: Non-Examples:
Diagram 	**Term** **same side interior angles** **Notation/Name:** $\|\| \leftrightarrow$ sum 180°	Description: Angles formed by two lines and a transversal that are inside of the two lines and on the same side of the transversal.	Examples: Non-Examples:
Diagram 	**Term** **linear pair of angles** **Notation/Name:**	Description: Two adjacent angles formed by dividing a straight angle. The two angles are supplementary	Examples: Non-Examples:
Diagram 	**Term** **vertical angles** **Notation/Name:**	Description: A pair of non-adjacent angles formed by two intersecting lines.	Examples: Non-Examples:

N12 ANGLES NOTES **Name**_____ **N12**

Diagram	Term	Description:	Examples:
	**auxiliary line** **Notation/Name:**	A line added to a diagram to help solve a problem	Non-Examples:
	**adjacent angle addition** **Notation/Name:**	The sum of consecutive adjacent angles is equal to the measure of the angle that contains them	Non-Examples:
	**adjacent angles on a line** **Notation/Name:**	The sum of consecutive adjacent angles on a line is 180°	Non-Examples:
	**triangle sum** **Notation/Name:**	The sum of the angles in a triangle is 180°	Non-Examples:
	**exterior angle of a triangle** **Notation/Name:**	The sum of the remote interior angles of a triangle is equal to the exterior angle	Non-Examples:
	**base angles of an isosceles triangle** **Notation/Name:**	The base angles of an isosceles triangle are always congruent. The third angle is called the vertex angle	Non-Examples:
	**consecutive adjacent angles around a point** **Notation/Name:**	The sum of the adjacent angles around a point is always 360°	Non-Examples: