

Name: _____

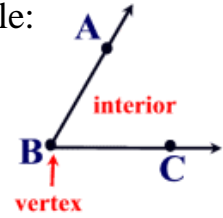
Lesson 1.7: Angles and Angle Pairs

Date: _____

CC Geometry

Angle: _____

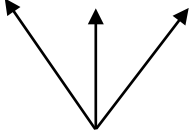
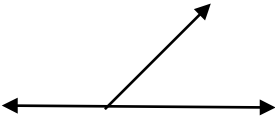
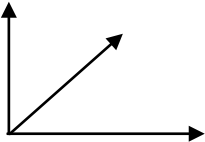
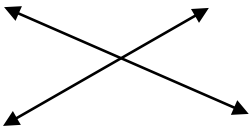
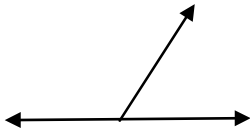
Example:



Types of Angles

Name of Angle	Diagram	Definition
Acute Angle	<p>A diagram of an acute angle, which is an angle less than 90 degrees. It is formed by two rays meeting at a vertex, with one ray horizontal and the other pointing up and to the right.</p>	
Obtuse Angle	<p>A diagram of an obtuse angle, which is an angle greater than 90 degrees. It is formed by two rays meeting at a vertex, with one ray horizontal and the other pointing up and to the left.</p>	
Straight Angle	<p>A diagram of a straight angle, which is an angle of 180 degrees. It is represented by a single horizontal line with arrows at both ends.</p>	
Right Angle	<p>A diagram of a right angle, which is an angle of 90 degrees. It is formed by two rays meeting at a vertex, one horizontal and one vertical, with a small square symbol at the vertex to indicate the right angle.</p>	

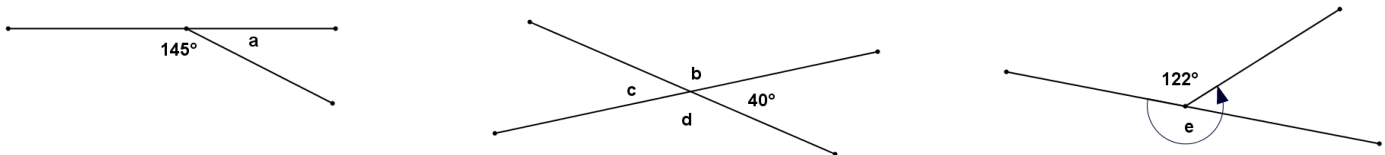
Pairs of Angles

Angle Pair	Diagram	Definition
Adjacent Angles		
Supplementary Angles		
Complementary Angles		
Vertical Angles		
Linear Pair		

***Angles to a point sum to _____**

Examples:

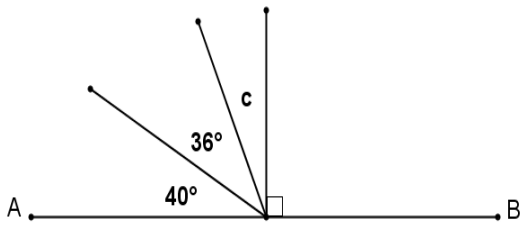
1. Find the measures of each labeled angle. **Give a reason for your solution.**



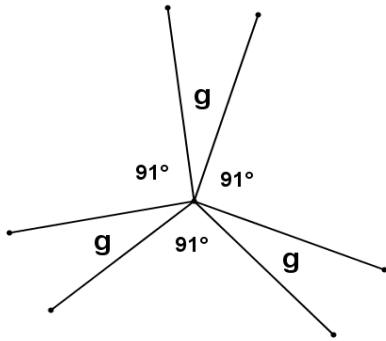
Angle	Angle measure	Reason
$\angle a$		
$\angle b$		
$\angle c$		
$\angle d$		
$\angle e$		

Reasons (words or calculations):

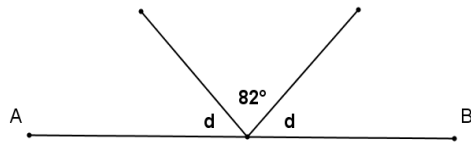
2.



3.



4.



5.

