SM 2

Objective: Notes for Geometry basics, angles, lines

Vocabulary	Definition	Diagram and Symbols
	A location in space.	
	Extends forever in two directions.	
	Part of a line that starts at a point and extends forever in the other direction.	
	Part of a line with two endpoints.	
	A flat surface that extends forever.	
	Two rays (the *sides*) that share an endpoint (the *vertex*)	
	Tells us how wide the opening of an angle is (how much rotation there is between the sides).	
	Two segments that are the same length.	
	Two angles with the same measure.	
	Measure is between 0° and 90°.	
	Measure is exactly 90°.	
	Measure is between 90° and 180°.	
	Measure is exactly 180°.	
	Angles whose measures add up to 90°.	

	Angles whose measures add up to 180°.	
	Two angles that are next to each other and share a side and a vertex (like next-door neighbors that share a fence).	
	Two angles that add up to a straight angle. The non-common sides form a straight line.	
	The angles in a linear pair are supplementary.	
	The angles across from each other when two lines cross.	
	Vertical angles are congruent.	
	lines that are equal distance apart, they never intersect	
	Lines that intersect to form 4 right angles	

Examples:

a) Name this angle in as many ways as you can.
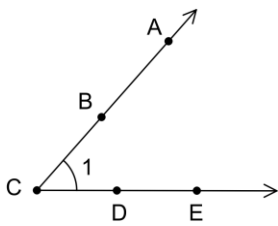
b) List all of the information that this diagram gives you.