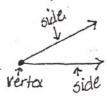
Chapter Ten Study Guide

10-1 Angles

sides -> 2 points that meet at a vertex.



angle - consists of 2 rays that have the same endpoint.

degree - unit used in measuring angles. protractor -> tool used to measure angles.

Ddifferent Kinds of angles:

acute measures less than 90°

<u>right</u> measures exactly 90°

obtuse measures more than 90° less than 180°

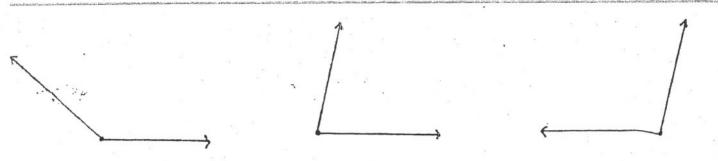
Straight measures 1800

classify each angle as acute, obtuse, or right.

56°

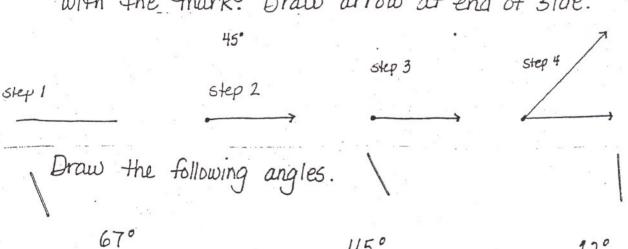
102°

90.9°



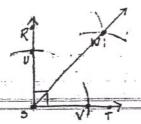
Using Angle Measure

- · straightedge: a ruler or any other object with a straight edge that can be used to draw a straight line.
- 1. Draw 1 side of an angle using a straighteage.
- Mark vertex at one end, put an arrow (→) at the other end.
- Place protractor on endpoint, then mark point on protractor that indicates degree needed.
- with straightedge draw side that connects endpoint with the mark. Draw arrow at end of side.



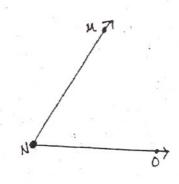
1150

120



- 1. Place compass at 5 and draw an arc that intersects both sides of the angle. Then label these points.
- 2. Place compass, on point U and draw an arc. Keeping the same compass setting draw an arc from point V. Make sure these arcs intersect.
- 3. Label the point where the points intersect. Connect this point to the vertexusing a straightedge.

Bisect Angle ZMNO



Two-Dimensional Figures

square: Quadrilateral

- · 4 congruent sides
- · 4 right angles
- · Both pairs of opposite sides are parallel.



/ parallelogram: both pairs opposite sides parallel.

3 sided triangle.

Triangle with all 3 sides congruent is an equilateral Triangle



sense.						
Word Ban	<u>k</u> : st	raight	simple	three		
A Polygon is a, closed figure formed by or more lines.						
	1111	les.				
Words	Pentagon	Hexagon	Heptagon	Octagon	Nonagon	Decagon
# of Sides						
Draw a Model						
Word Ban	<u>k:</u> po	olygon	regular regulars congruent as	nr		
Word Ban	<u>k:</u> po	olygons	regular	squares	triangles	
Sentence: Equilateral			and _		are	
Directions	: Draw two	Examples th	at are not a p	olygon and e	explain why.	
#1 Exa	mple			#2	Example	
Explain Why?				Exp	lain Why?	

Directions: Place a word from the word bank into the sentence spaces to make