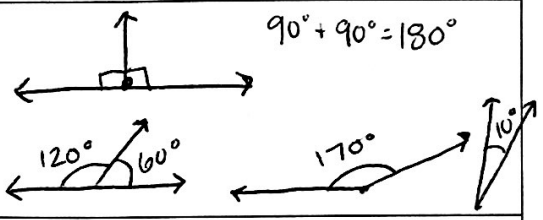
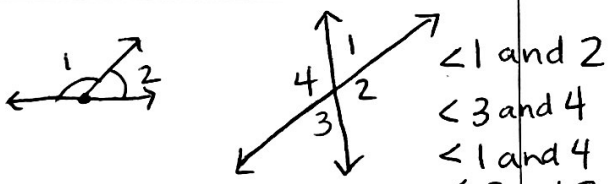
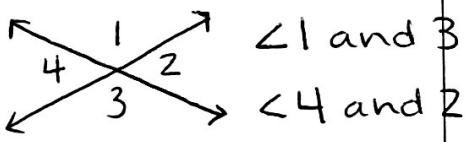
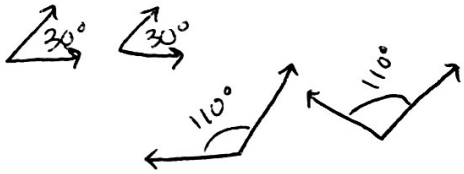
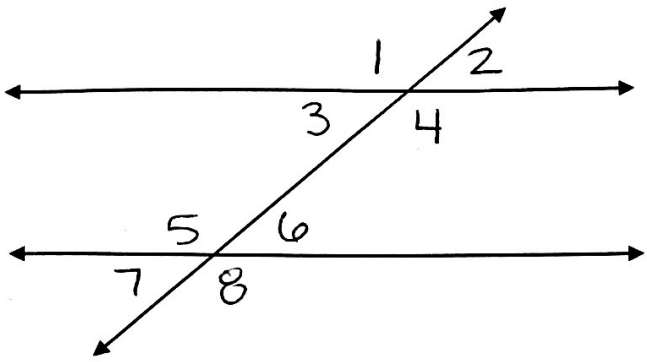
Lesson 7-2 Notes CONTINUED

Vocabulary Term	Definition	Example
Supplementary Angles 180°	Two angles whose sum of the measures is 180 degrees.	
Complementary Angles 90°	Two angles whose sum of the measures is 90 degrees.	
Adjacent Angles	Angles that share a vertex and a side but no points in their interiors. side by side	
Vertical Angles	Angles formed by two intersecting lines and are opposite each other. Vertical angles have the same measure. across	
Congruent Angles	Angles that have the same measure.	



1) Name one acute angle. $\angle 2, 3, 6$ or 7

2) Name one obtuse angle. $\angle 1, 4, 5, 8$

3) Are there any complementary angles? NO If yes, name one pair. _____

4) Are there any supplementary angles? YES If yes, name one pair. $\angle 1$ and 2, $\angle 3$ and 4, $\angle 1$ and 3, $\angle 2$ and 4, $\angle 5$ and 6, $\angle 7$ and 8, $\angle 5$ and 7 or $\angle 6$ and 8

5) Name two congruent angles. $\angle 2$ and $\angle 3$, $\angle 1$ and 4, $\angle 5$ and 8, $\angle 6$ and 7, $\angle 1$ and 5, $\angle 3$ and 7, etc.

6) Name two adjacent angles. $\angle 1$ and 2, $\angle 1$ and 3, $\angle 2$ and 4, $\angle 3$ and 4, $\angle 5$ and 6, $\angle 5$ and 7, etc.

7) Name two vertical angles. $\angle 1$ and 4, $\angle 2$ and 3, $\angle 5$ and 8, $\angle 6$ and 7

8) Find $m\angle 5$, if $m\angle 8$ is 35°.

They are vertical angles (across from each other), so they are also congruent. If $\angle 8$ is 135°, $\angle 5$ is also **135°**