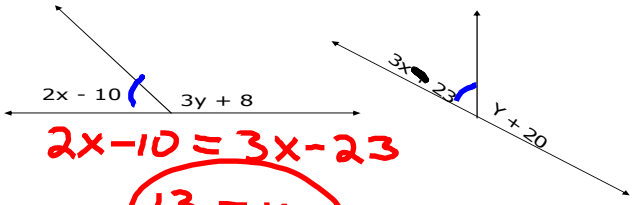
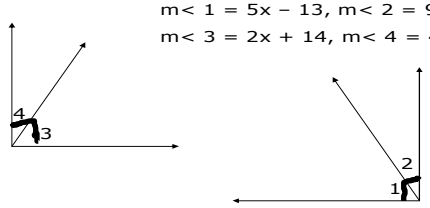
Vocabulary Sheet for Lesson 2-6

Definition	Diagram/ Notes
Theorem 2-7: If two angles are supplements of congruent angles (or of the same angle), then the two angles are congruent.	
Theorem 2-8: If two angles are complements of congruent angles (or of the same angle), then the two angles are congruent.	
Example 1 Solve for x and y given that the two acute angles are congruent  $2x-10=3x-23$ $13=x$ $3y+8=y+20$ $2y=12$ $y=6$	
Example 2 Solve for x given that m< 1 = m< 3 m< 1 = 5x – 13, m< 2 = 9y – 12 m< 3 = 2x + 14, m< 4 = 4y + 8  $9y-12=4y+8$ $5y=20$ $y=4$ $5x-13=2x+14$ $3x=27$ $x=9$	