Name Geometry Conjecture Wo	orksheet	Per	Date
Determine the Truth-Value of the following conjectures. If it is False provide a counter-example.			
1. <b>Given:</b> $m \angle 1 = 20^{\circ}$ a	and $m\angle 2 = 70^{\circ}$		
Conjecture: $\angle 1$ and $\angle 2$ are comp. $\angle$ 's.			
2. If points A,B, and C	are collinear, then pt. B is betwee	n pts. A and C	
3. <b>Given:</b> $\angle 1$ and $\angle 2$ a	are sup. ∠'s		

Conjecture:  $\angle 1 \cong \angle 2$ 

4. If a quadrilateral has four  $\cong$  sides, then it is a square.

5. If line m is  $\perp$  to line n then four right angles are formed.

6. **Given:** ∠A is an obtuse angle

**Conjecture:**  $m \angle A = 120^{\circ}$ 

7. If  $\overline{AB} \cong \overline{CD}$  and  $\overline{CD} \cong \overline{EF}$  then  $\overline{AB} \cong \overline{EF}$ 

8. If a polyhedron is a prism, then its bases are triangles.

9. **Given:** M is the midpoint of  $\overline{AB}$ 

Conjecture:  $\overline{AM} \cong \overline{MB}$ 

10. If two angles are comp. then a ray bisects a right angle.