Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hour:\_\_\_\_\_\_\_

**WS Geometric Proof 3**

1.



1. Given: $∠AOC ≅ ∠BOD$

Prove: $m∠1 ≅ m∠3$



1. 



1. 
2. 
3. Given: $\overbar{BE}≅\overbar{CE}$ and $\overbar{DE}≅\overbar{AE}$

Prove: $\overbar{AB}≅\overbar{CD}$

1. 
2. 



1. Given: $\overbar{TU}≅\overbar{UV}$

Prove: SU + TU = SV



1. 
2. Given: X is the midpoint of $\overbar{AY}$

 Y is the midpoint of $\overbar{XB}$

Prove: $\overbar{AX}≅\overbar{YB}$