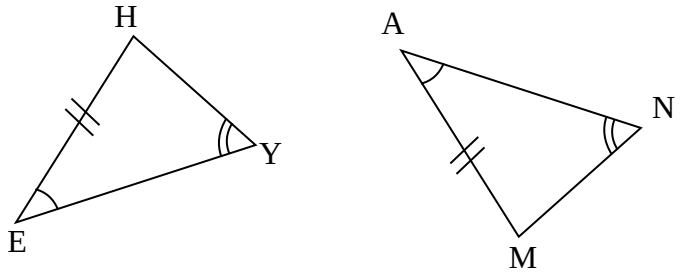
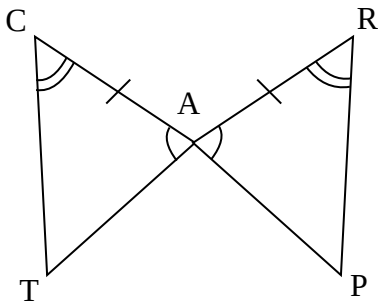
Geometry- Mrs. Tilus Name: _____
Unit 4-Worksheet #6: CPCTC

1. ΔHEY is congruent to ΔMAN by _____. What **other** parts of the triangles are congruent **by CPCTC**?



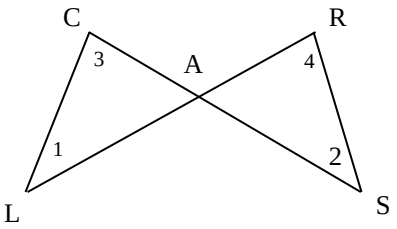
_____ ≅ _____
_____ ≅ _____
_____ ≅ _____

2. ΔCAT ≅ _____, by _____ THEREFORE: _____ ≅ _____, by CPCTC
_____ ≅ _____, by CPCTC
_____ ≅ _____, by CPCTC



3. **Given:** $\angle 1 \cong \angle 2$ and $\overline{AC} \cong \overline{AR}$

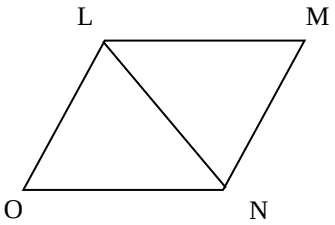
Prove: $\angle 3 \cong \angle 4$



Statement	Reason
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____
5. _____	5. _____

4. **Given:** $\angle NLM \cong \angle LNO$ and $\overline{ON} \cong \overline{ML}$

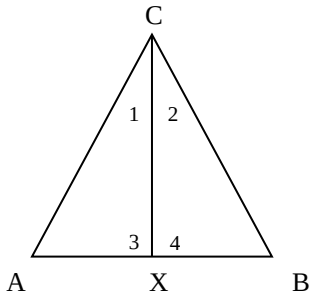
Prove: $\angle M \cong \angle O$



Statement	Reason
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____
5. _____	5. _____

5. **Given:** $\overline{AC} \cong \overline{BC}$ and $\overline{AX} \cong \overline{BX}$

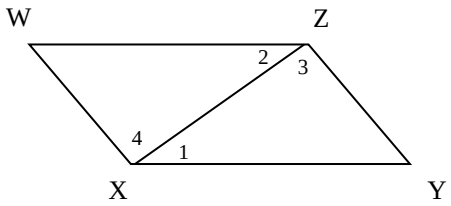
   Prove: $\angle 1 \cong \angle 2$



Statement	Reason
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____
5. _____	5. _____

6. **Given:** $\angle 1 \cong \angle 2$ and $\angle 3 \cong \angle 4$

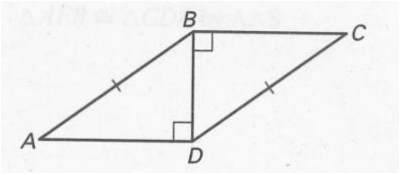
   Prove: $\overline{XY} \cong \overline{ZW}$



Statement	Reason
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____
5. _____	5. _____

7. **Given: Look on Diagram**

   Prove: $\angle DAB \cong \angle BCD$



Statement	Reason
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____
5. _____	5. _____
6. _____	6. _____
7. _____	7. _____