Name _____

Date _____   Hour _____

#1
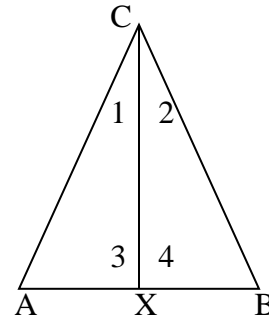
Given: $\overline{AC} \cong \overline{BC}$ and $\overline{AX} \cong \overline{BX}$
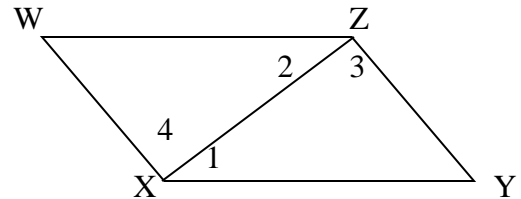
Prove: $\angle 1 \cong \angle 2$

Proof:

1. _____   1. Given
2. _____   2. Reflexive
3. $\triangle AXC \cong$ _____   3. _____
4. _____   4. _____

#2

Given: $\angle 1 \cong \angle 2$ and $\angle 3 \cong \angle 4$

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

Proof:

1. _____   1. Given
2. $\overline{XZ} \cong \overline{XZ}$ 2. _____
3. $\triangle XWZ \cong$ _____   3. _____
4. _____   4. _____