3. **a.** Given

b. Refl. Prop. of $\cong$

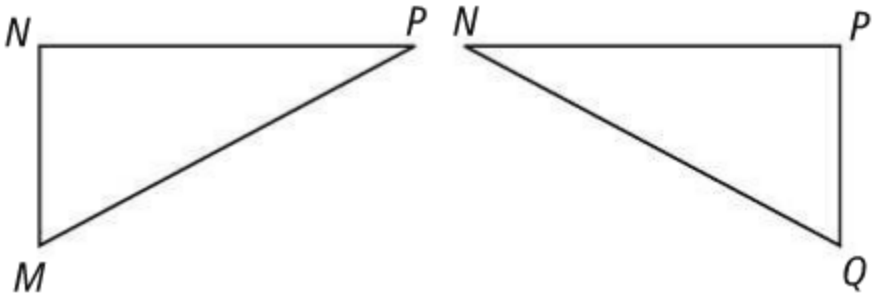
c. Given

d. AAS

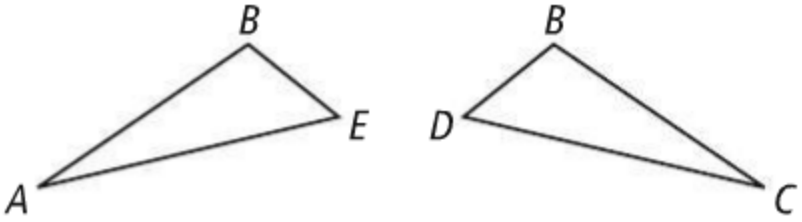
e. Corresp. parts of $\cong$ triangles are $\cong$.

7. $\overline{JK}$ **8.** $\angle D$

9.



10.



11. No; there are several $\measuredangle$s with vertex J and several $\measuredangle$s with vertex K, and a different $\angle$ at each vertex is in each $\triangle$.

12. Answers may vary. Sample: Based on the given statement that $\triangle PSY \cong \triangle SPL$, $\overline{PL} \cong \overline{SY}$, and $\angle L \cong \angle Y$ because corresp. parts of $\cong$ $\measuredangle$s are $\cong$. $\angle PRL \cong \angle SRY$ because vert. $\measuredangle$s are $\cong$. So $\triangle PRL \cong \triangle SRY$ by AAS.

14. Since $VT = VU + UT = UT + TS = US$, $\overline{VT} \cong \overline{US}$. Therefore, $\triangle QVT \cong \triangle PSU$ by SAS.