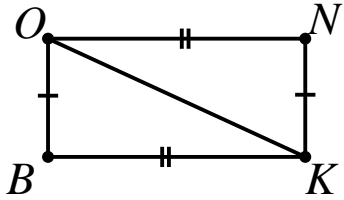


1a. Given: $\overline{BO} \cong \overline{NK}$
 $\overline{BK} \cong \overline{NO}$

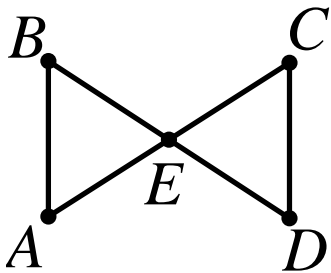
Prove: $\angle BOK \cong \angle NKO$



b. Is it now possible to conclude $\overline{BO} \parallel \overline{NK}$?
Justify your reasoning.

2a. Given: $\overline{AB} \parallel \overline{CD}$
 \overline{BD} bisects \overline{AC} at E.

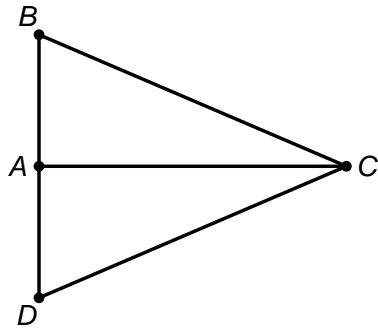
Prove: $\overline{BE} \cong \overline{DE}$



b. Is it now possible to conclude \overline{AC} bisects \overline{BD} at E?
Justify your reasoning.

3a. Given: $\overline{BC} \cong \overline{DC}$
 \overline{AC} bisects $\angle BCD$

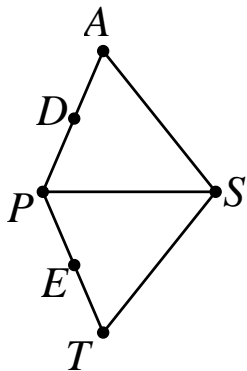
Prove: $\angle BAC \cong \angle DAC$



b. Is it now possible to conclude $\overline{AC} \perp \overline{BD}$?
 Justify your reasoning.

4a. Given: $\overline{PDA} \cong \overline{PET}$
 $\overline{AS} \cong \overline{TS}$
 $\overline{PD} \cong \overline{PE}$
 $\overline{DA} \cong \overline{ET}$

Prove: $\angle ASP \cong \angle TSP$



b. Is it now possible to conclude \overline{PS} bisects $\angle AST$?
 Justify your reasoning.