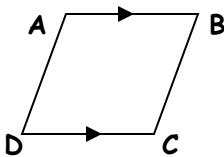


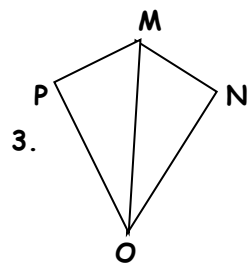
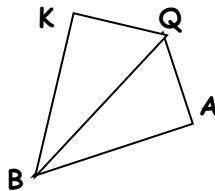
Review: Triangle Congruence Proofs

The following proofs should be written in Two-column Format as a group. Mark the diagrams and list all the essential statements that lead up to the final conclusion. You may choose to do 5 of the 7. For extra credit you can successfully complete proof number 7.

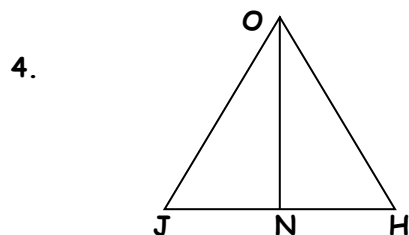
1. Given: $\overline{AB} \parallel \overline{DC}$, $\angle B \cong \angle D$
 Prove: $\overline{BC} \cong \overline{DA}$



2. Given: $\overline{QK} \cong \overline{QA}$, \overline{QB} bisects $\angle KQA$
 Prove: $\overline{KB} \cong \overline{AB}$

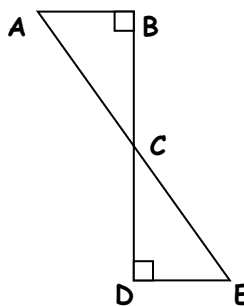


- Given: $\overline{MN} \cong \overline{MP}$, $\overline{NO} \cong \overline{PO}$,
 Prove: $\angle N \cong \angle P$

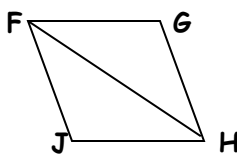


- Given: $\angle H \cong \angle J$, \overline{ON} bisects $\angle JOH$
 Prove: $\overline{JN} \cong \overline{HN}$

5. Given: $\overline{BD} \perp \overline{AB}$, $\overline{BD} \perp \overline{DE}$, $\overline{BC} \cong \overline{CD}$
 Prove: $\angle A \cong \angle E$



6. Given: $\angle JFH \cong \angle GHF$, $\overline{FJ} \cong \overline{GH}$,
 Prove: $\overline{FG} \cong \overline{JH}$



7. Given: $\angle AED \cong \angle CDE$, $\overline{AB} \cong \overline{CB}$, $\overline{AE} \cong \overline{CD}$,
 Prove: $\triangle ABE \cong \triangle CBD$

