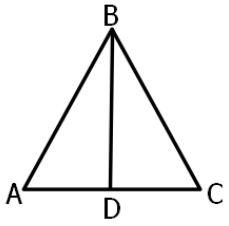
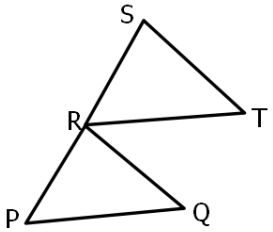
Math III Honors Name: _____
CPCTC Proofs

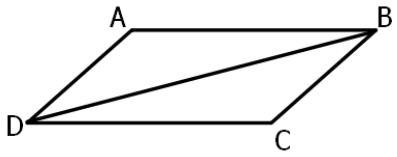
1) Given: $\overline{AD} \cong \overline{DC}$, $\overline{AC} \perp \overline{BD}$
Prove: $\angle ABD \cong \angle CBD$



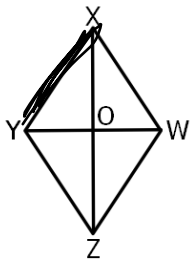
2) Given: $\overline{SR} \cong \overline{RP}$, $\angle SRT \cong \angle RPQ$, $\overline{ST} \parallel \overline{RQ}$
Prove: $\overline{ST} \cong \overline{RQ}$



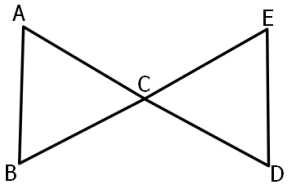
3) Given: $\overline{AB} \cong \overline{DC}$, $\overline{AD} \cong \overline{BC}$
Prove: $\angle A \cong \angle C$



4) Given: $\overline{YX} \cong \overline{WX}$
$\overline{ZX}$ bisects $\angle YXW$
Prove: $\overline{YZ} \cong \overline{WZ}$

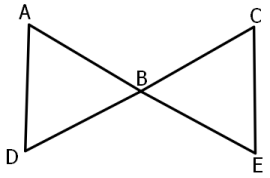


5) Given: $\overline{AC} \cong \overline{DC}$, $\angle A \cong \angle D$
Prove: $\angle B \cong \angle E$



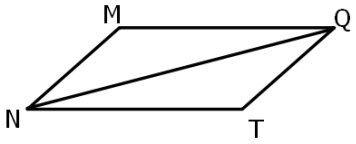
6) Given: $\overline{AB} \cong \overline{BE}$, $\angle ADB \cong \angle ECB$

Prove: $\overline{DB} \cong \overline{CB}$



7) Given: $\overline{MQ} \cong \overline{NT}$, $\overline{MQ} \parallel \overline{NT}$

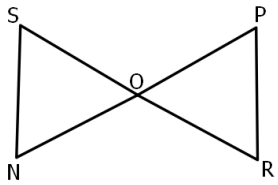
Prove: $\overline{MN} \cong \overline{TQ}$



8) Given: O is the midpoint of $\overline{NP}$

$\angle N \cong \angle P$

Prove: O is the midpoint of $\overline{SR}$



9) Given: $\overline{AB} \cong \overline{CD}$

$\angle DAB$ and $\angle BCD$ are right angles

Prove: $\angle ADB \cong \angle CBD$