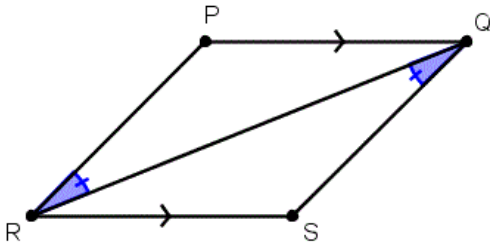
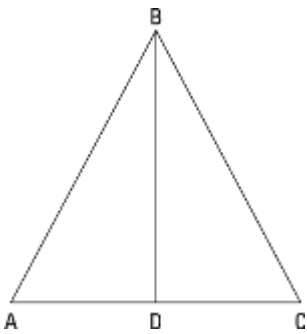


Writing Triangle Congruence Proofs

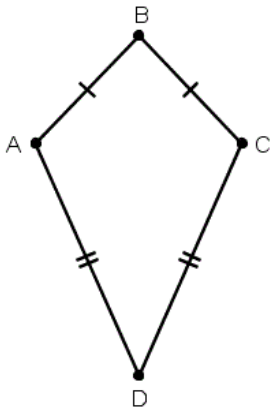
1. GIVEN: $\overline{PQ} \parallel \overline{SR}$ and $\angle PRQ \cong \angle SQR$ PROVE: $\overline{PR} \cong \overline{SQ}$



2. GIVEN: $\overline{BD} \perp \overline{AC}$ and $\overline{AD} \cong \overline{CD}$ PROVE: $\overline{BA} \cong \overline{BC}$ (hint: "Definition of perpendicular" is a valid reason to use.)



3. GIVEN: $\overline{BA} \cong \overline{BC}$ and $\overline{AD} \cong \overline{CD}$ PROVE: $\angle A \cong \angle C$ (hint: no triangles given...so make some!)



4. (Challenge!)

GIVEN: $\overline{PX} \cong \overline{TY}$ and $\overline{QP} \cong \overline{ST}$ PROVE: $\angle P \cong \angle T$

