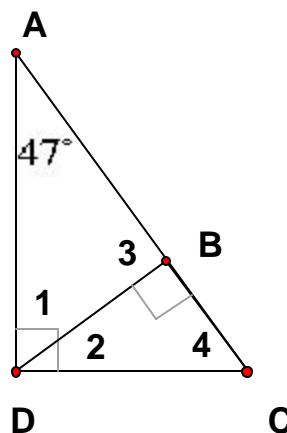
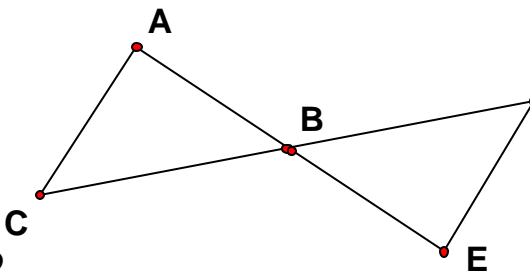


Chapter 3 (3.3 & 3.4) Applications

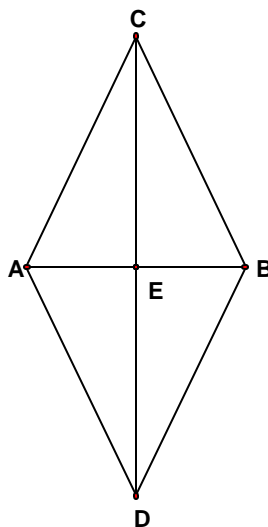
Problem 1 Find the measures of the numbered angles.
(3.3 - #28)



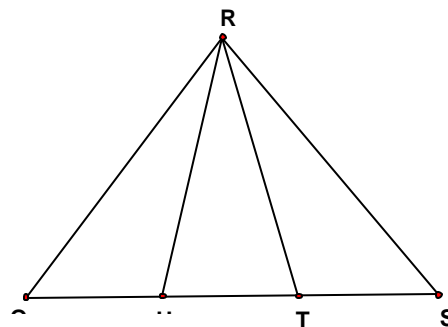
Problem 2 Given: $\overline{AB} \cong \overline{EB}$
(3.4 - page 158) $\overline{AC} \parallel \overline{ED}$
Prove: $\triangle ABC \cong \triangle EBD$



Problem 3 Given: $\overline{AB} \perp \overline{CD}$ at E
(3.4 - #13) $\overline{AE} \cong \overline{BE}$
 $\overline{AC} \cong \overline{BD}$
Prove: $\triangle AEC \cong \triangle BED$



Problem 4 Given: $\triangle QRS$ isosceles
(3.4 - #14) $\angle RUT \cong \angle RTU$
Prove: $\triangle QRT \cong \triangle SRU$



Problem 5 Given: $\overline{AB} \cong \overline{CB}$
(page 169 - #11) $\angle A \cong \angle C$
 $\angle B$ right angle
Prove: $\overline{BD} \cong \overline{BE}$

