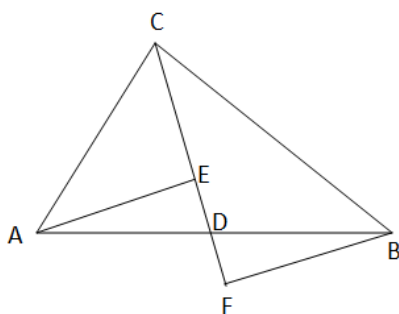


Name: _____

Applying Congruence

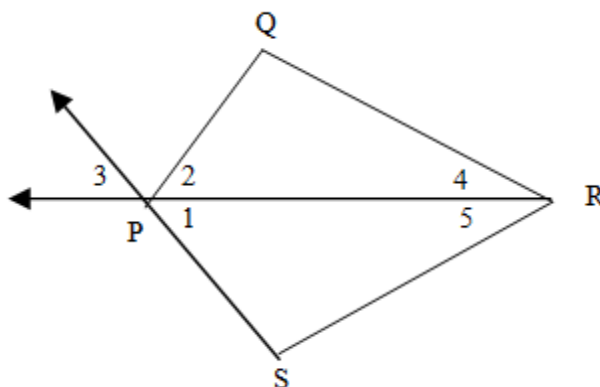
A) Given: D is the midpoint of \overline{AB} .

$$\overline{AE} \perp \overline{CF}; \overline{BF} \perp \overline{CF}$$



1) Prove: $\overline{AE} \cong \overline{BF}$

B) Given: $\angle 4 \cong \angle 5$, $\overline{QR} \cong \overline{SR}$



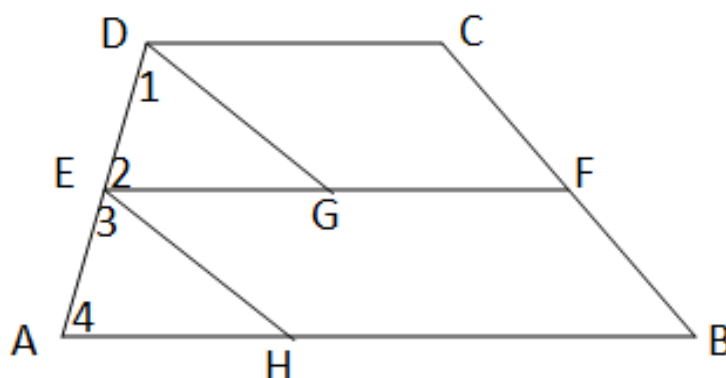
2) Prove: $\angle 2 \cong \angle 3$

C) Given: E midpoint of \overline{AD}

$EF \parallel AB$

$DG \parallel BC$

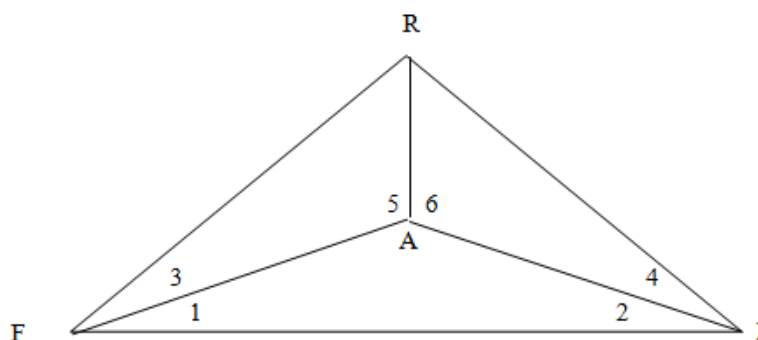
$EH \parallel BC$



3) Prove: $DG = EH$

D) Given: $\angle 1 \cong \angle 2, \angle RFI \cong \angle RIF$

\overline{RA} bisects $\angle FRI, \overline{FR} \cong \overline{RI}$



4) Prove: $\angle 5 \cong \angle 6$