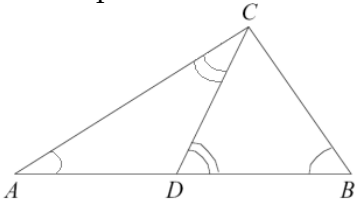
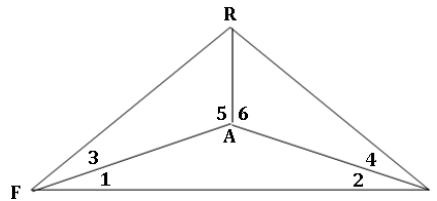


Congruent Triangles Worksheet

- 1) A student claims that the marks in the diagram show that $\triangle ACD \cong \triangle BDC$ by AAS. Why is it impossible for the marks to be correct?



- 2) Given: $\angle 1 \cong \angle 2, \angle RFI \cong \angle RIF$
 \overline{RA} bisects $\angle FRI$, $\overline{FR} \cong \overline{RI}$
 Prove: $\angle 5 \cong \angle 6$



- 3) Given: D is the midpoint of \overline{AB} .
 $\overline{AE} \perp \overline{CF}; \overline{BF} \perp \overline{CF}$

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

