2 in: alternate interior angles
2 out: alternate exterior angles
1 in, 1 out: corresponding angles

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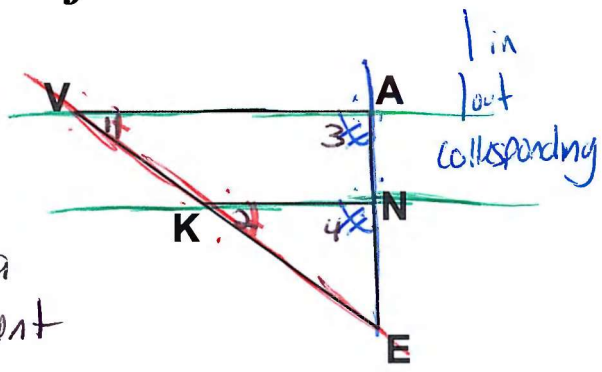
Geometry

Parallel Mini Proofs

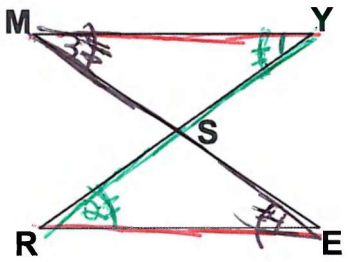
1. Given: $\overline{VA} \parallel \overline{KN}$



1 in
1 out
corresponding

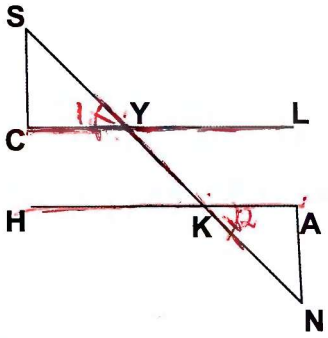
Statements	Reasons
① $\overline{VA} \parallel \overline{KN}$	① given
② $\angle 1 \cong \angle 2$, $\angle 3 \cong \angle 4$	② Parallel lines cut by a transversal create congruent corresponding angles.

2. Given: $\overline{MY} \parallel \overline{RE}$



Statements	Reasons
① $\overline{MY} \parallel \overline{RE}$	① given
② $\angle 1 \cong \angle 2$, $\angle 3 \cong \angle 4$	② Parallel lines cut by a transversal create congruent alternate interior angles

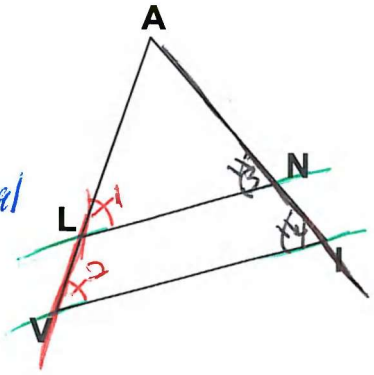
3. Given: $\overline{CL} \parallel \overline{HA}$



Statements	Reasons
① $\overline{CL} \parallel \overline{HA}$	① given
② $\angle 1 \cong \angle 2$	② Parallel lines cut by a transversal create congruent alternate exterior angles

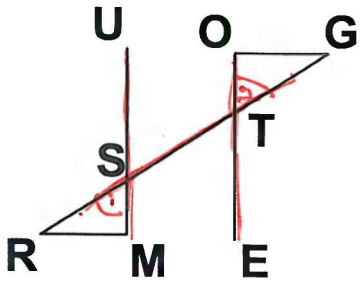
4. Given: $\overline{LN} \parallel \overline{VI}$

Statements	Reasons
① $\overline{LN} \parallel \overline{VI}$	① given
② $\angle 1 \cong \angle 2$, $\angle 3 \cong \angle 4$	② Parallel lines cut by a transversal create congruent corresponding angles



5. Given: $\overline{UM} \parallel \overline{OE}$

Statements	Reasons
① $\overline{UM} \parallel \overline{OE}$	① given
② $\angle 1 \cong \angle 2$	② Parallel lines cut by a transversal create congruent alternate exterior angles.



6. Given: $\overline{SR} \parallel \overline{AB}$

Statements	Reasons
① $\overline{SE} \parallel \overline{AB}$	① given
② $\angle 1 \cong \angle 2$, $\angle 3 \cong \angle 4$	② Parallel lines cut by a transversal create congruent alternate interior angles.