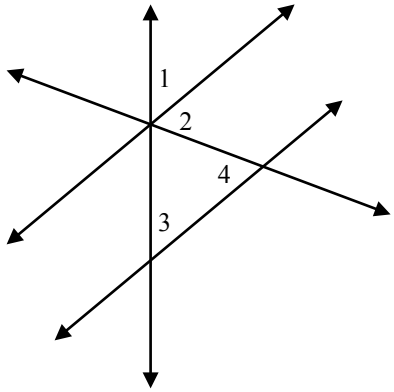
Proof Presentations

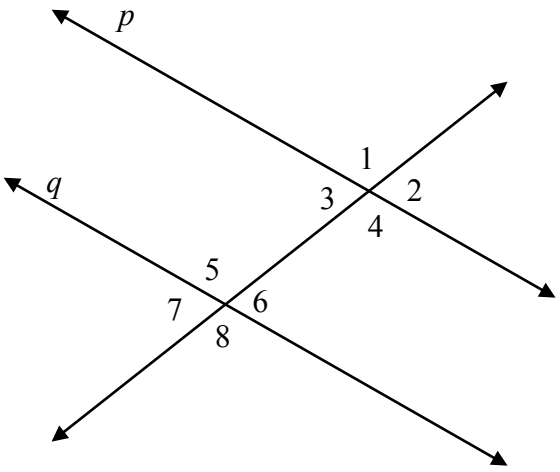
Each group of students will be assigned to do one or two of these proofs. The group must have:

a) a recorder who will fill out the proof on behalf of the group (everyone must still have their own completed sheet at the end of this activity)
b) a chalkboard scribe who will go to the board to write the proof for the class to see
c) an orator who will go to the board with the scribe and explain the logic of each step

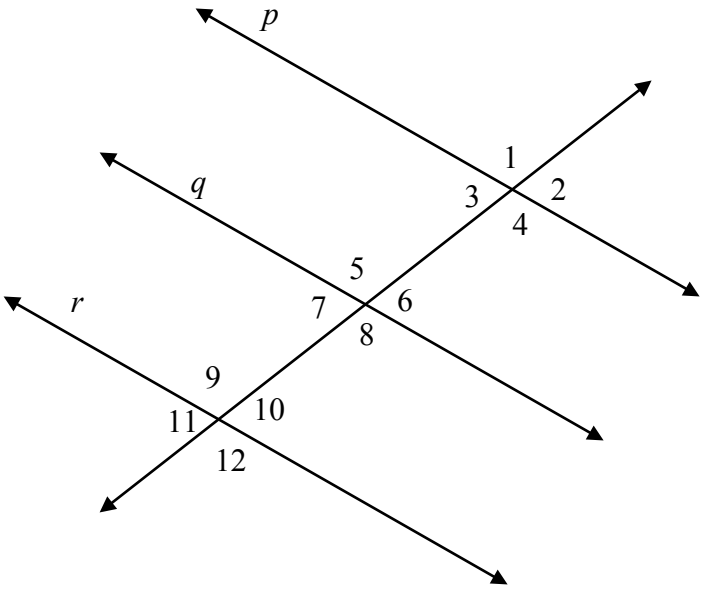
1) Given $\angle 1 \cong \angle 3$, prove $\angle 2 \cong \angle 4$



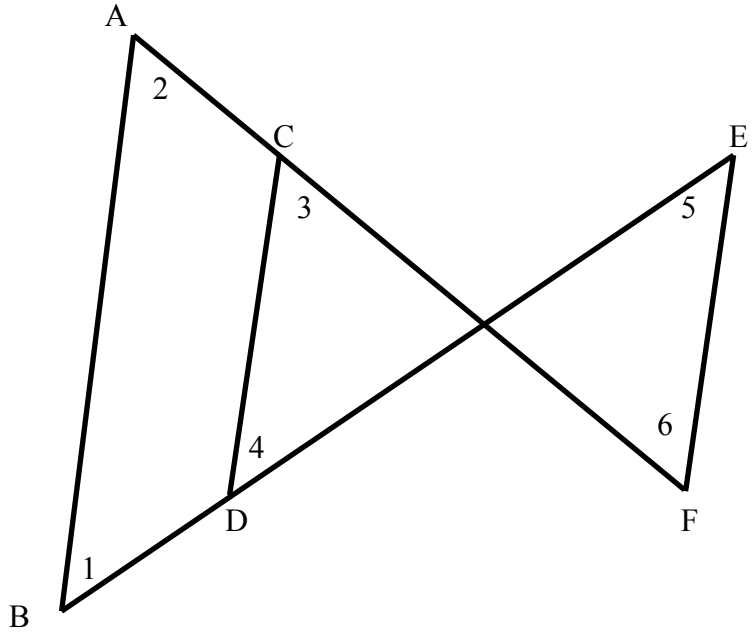
2) Given $\angle 1$ is supplementary to $\angle 7$, prove $\angle 4 \cong \angle 5$



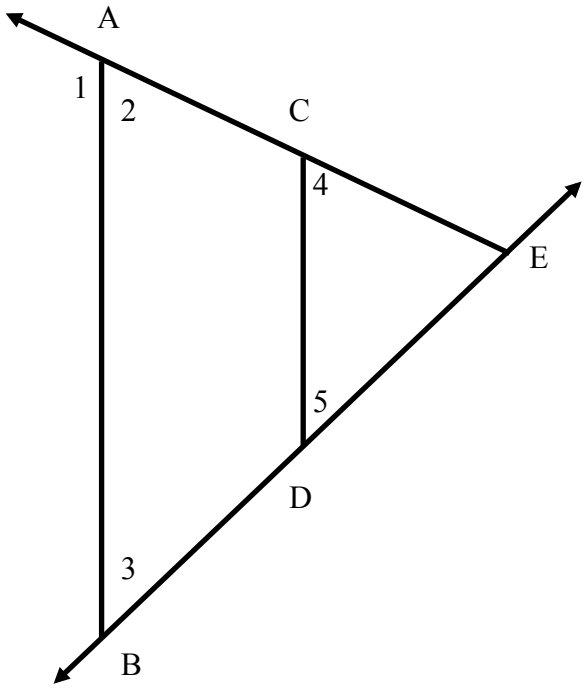
3) Given $\angle 2$ is supplementary to $\angle 8$ and $\angle 5$ is supplementary to $\angle 10$, prove $p \parallel r$



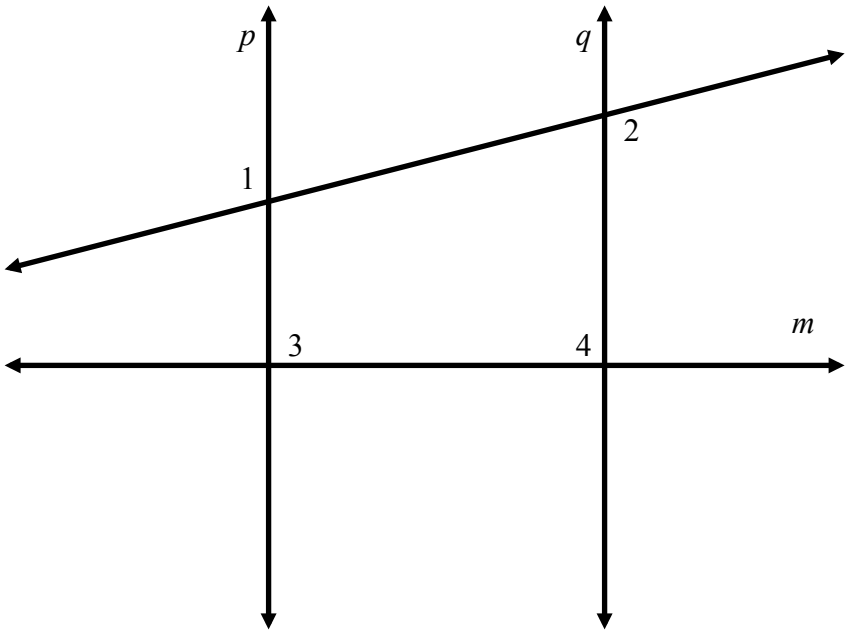
4) Given $\angle 1 \cong \angle 5$ and $\angle 2 \cong \angle 3$, prove $\angle 3 \cong \angle 6$



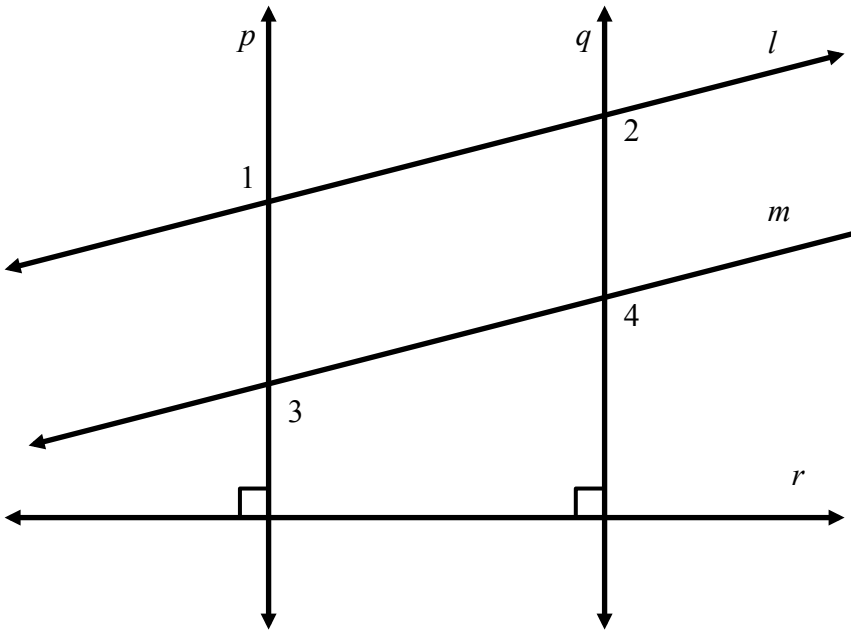
5) Given $\angle 1$ is supplementary to $\angle 4$ and $\angle 2 \cong \angle 3$, prove $\angle 4 \cong \angle 5$



6) Given $p \perp m$ and $\angle 3 \cong \angle 4$, prove $\angle 1 \cong \angle 2$



7) Given $\angle 2 \cong \angle 3$, prove $l \parallel m$



8) Given $\angle 3$ is supplementary to $\angle 4$ and $\angle 1 \cong \angle 2$, Prove $\angle 4 \cong \angle 5$