

High school geometry theorems

Hilbert's axiomatic system.

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Theorem 1 (th_6n_01.) *Assuming that $p \neq q$ and $q \neq r$ and $r \neq p$ and lines p and q intersect and lines q and r intersect and lines r and p intersect and $D \neq E$ and $E \neq F$ and $F \neq D$ and $D \in p$ and $D \in q$ and $D \notin r$ and $E \notin p$ and $E \in q$ and $E \in r$ and $F \in p$ and $F \notin q$ and $F \in r$ there exist plane α_2 , such that $p \in \alpha_2$ and $q \in \alpha_2$ and $r \in \alpha_2$.*
