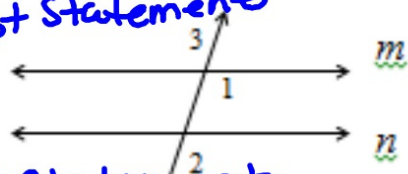


Q. 16 Introduction to Proofs

Given: $m \parallel n$ — First Statement
Prove: $\angle 2 \cong \angle 3$ — Last Statement



<u>Statements</u>	<u>Reasons</u>
① $m \parallel n$	① Given
② $\angle 2 \cong \angle 1$	② Corresponding angles are $\cong$.
③ $\angle 1 \cong \angle 3$	③ Vertical angles are $\cong$.
④ $\angle 2 \cong \angle 3$	④ Transitive property.