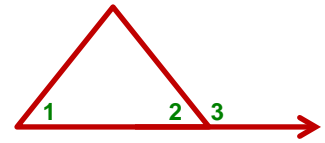


Geometric Proofs #1 – Segments and Angles

Given: $m\angle 1 + m\angle 3 = 180^\circ$

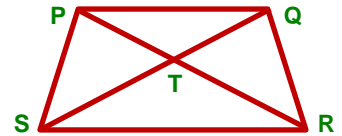
Prove: $\angle 1 \cong \angle 2$



Step	Statement	Step	Reason

Given: $PT = QT$ and $TR = TS$

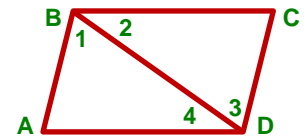
Prove: $PR = QS$



Step	Statement	Step	Reason

Given: $m\angle 1 = m\angle 3$ and $m\angle 2 = m\angle 4$

Prove: $m\angle ABC = m\angle ADC$



Step	Statement	Step	Reason