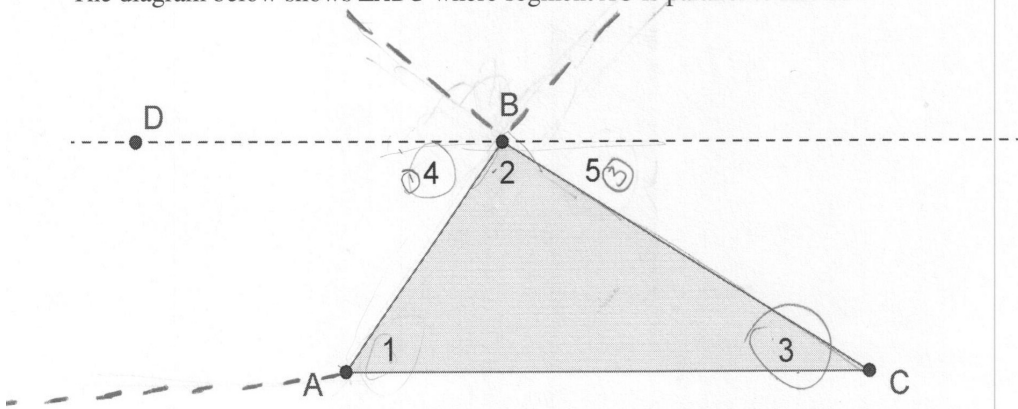The diagram below shows $\triangle ABC$ where segment AC is parallel to line BD.

In the space below prove that in $\triangle ABC$, $m\angle 1 + m\angle 2 + m\angle 3 = 180°$.

Statement	Reason
① $m\angle 1 + m\angle 2 + m\angle 3 = 180°$	① Given
② $180° =$ straiHt angle	② Def. of strait $\angle$.
③ $m\angle 1 \cong m\angle 4$ $m\angle 3 \cong m\angle 5$	③ alterternate interior $\angle$.
④ $\angle 4 + \angle 2 + \angle 5 \cong m\angle 1 + \angle 2 + m\angle 3$	④ alternate interior $\angle$.
⑤ $\overline{AC} \parallel \overline{BD}$	⑤ Def of $180°$?