

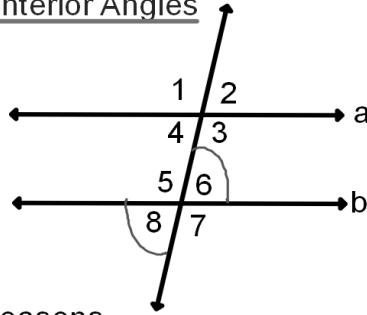
3-2 Parallel Lines and Same-Side Interior Angles

Oct 5

Ex 1

Given:  $a \parallel b$

Prove:  $m\angle 3 + m\angle 8 = 180$



Statements	Reasons
① $a \parallel b$	① Given
② $m\angle 3 + m\angle 6 = 180$	② if lines $\parallel$ , same-side int $\angle$ s are supp.
③ $m\angle 6 = m\angle 8$	③ vert. $\angle$ s =
④ $m\angle 3 + m\angle 8 = 180$	④ Substitution