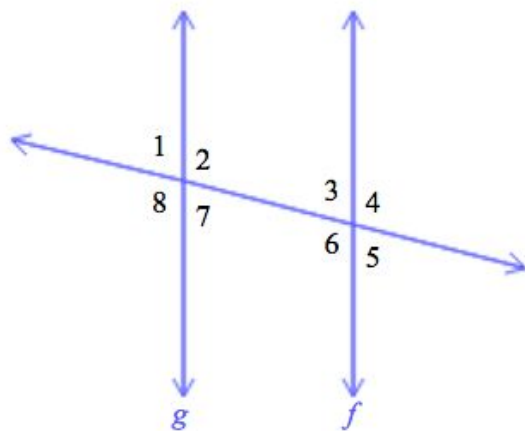# ALEKS Introduction to Proofs Involving Parallel Lines:

Introduction to proofs involving parallel lines

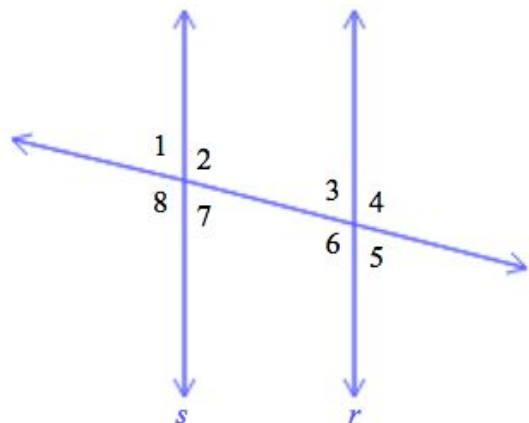Use the given information to prove that $f \parallel g$.

Given: $\angle 7 \cong \angle 5$

Prove: $f \parallel g$

Introduction to proofs involving parallel lines

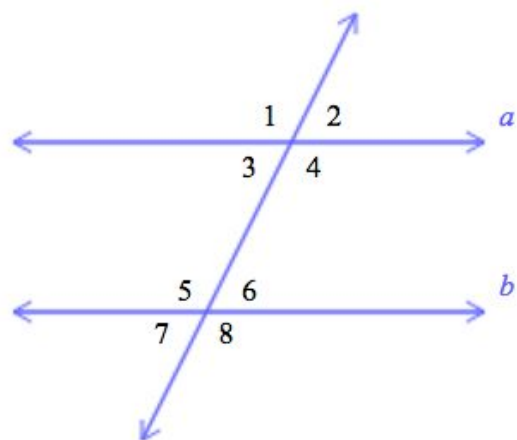Use the given information to prove that $\angle 7 \cong \angle 5$.

Given: $r \parallel s$

Prove: $\angle 7 \cong \angle 5$

Introduction to proofs involving parallel lines

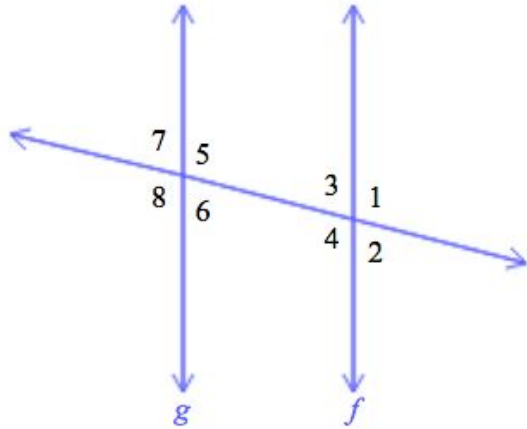Use the given information to prove that $\angle 5 \cong \angle 4$.

Given: $a \parallel b$

Prove: $\angle 5 \cong \angle 4$

Introduction to proofs involving parallel lines

Use the given information to prove that $\angle 6 \cong \angle 2$.

7 5
8 6
3 1
4 2

g   f

Given: $f \parallel g$

Prove: $\angle 6 \cong \angle 2$

Introduction to proofs involving parallel lines

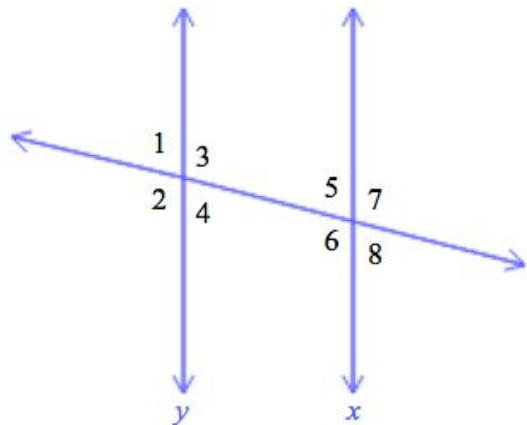Use the given information to prove that $\angle 2 \cong \angle 7$.
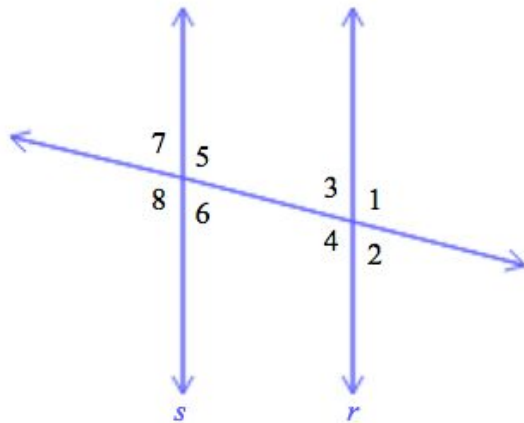
1 3
2 4
5 7
6 8

y   x

Given: $x \parallel y$

Prove: $\angle 2 \cong \angle 7$

Introduction to proofs involving parallel lines

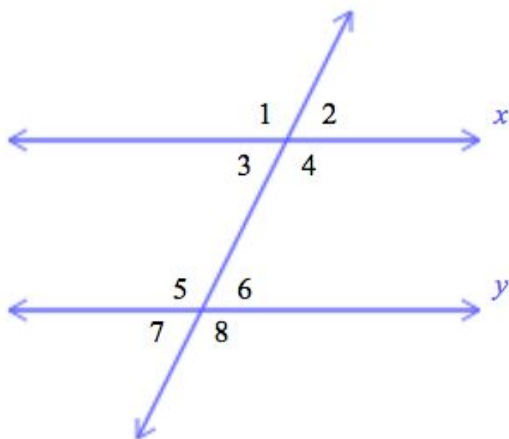Use the given information to prove that $\angle 8 \cong \angle 1$.

Given: $r \parallel s$

Prove: $\angle 8 \cong \angle 1$

Introduction to proofs involving parallel lines

Use the given information to prove that $x \parallel y$.
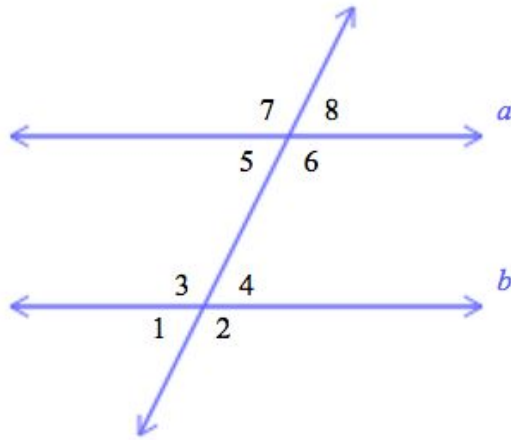

Given: $\angle 8 \cong \angle 1$

Prove: $x \parallel y$

Introduction to proofs involving parallel lines
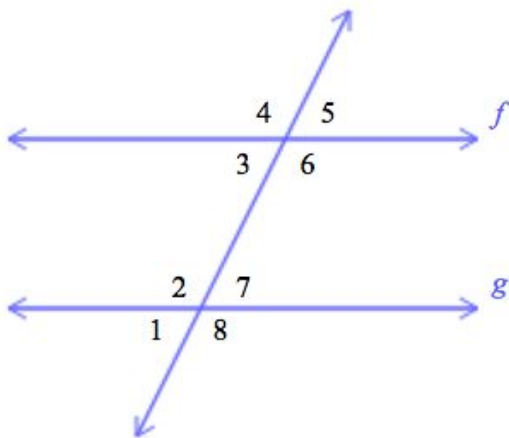
Use the given information to prove that $a \parallel b$.

Given: $\angle 4 \cong \angle 8$

Prove: a $\parallel$ b

Introduction to proofs involving parallel lines

Use the given information to prove that $f \parallel g$.

Given: $\angle 2 \cong \angle 6$

Prove: f $\parallel$ g