

# Geometry

## Unit 3 Proving Theorems A + B

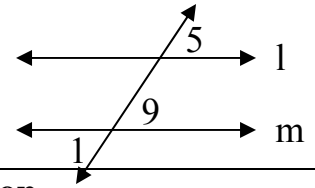
Name:

Date:

Period:

1. Given:  $l \parallel m$

Prove:  $\angle 1 \cong \angle 5$

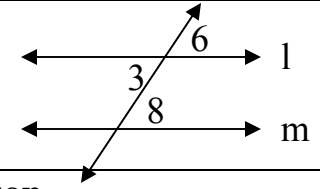


Proof of Alternate Exterior Angles Theorem ↓

Statement	Reason

2. Given:  $l \parallel m$

Prove:  $\angle 3 \cong \angle 8$

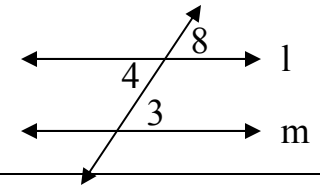


Proof of Alternate Interior Angles Theorem ↓

Statement	Reason

3. Given:  $l \parallel m$

Prove:  $\angle 3 \cong \angle 4$

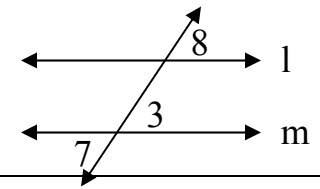


Proof of Alternate Interior Angles Theorem ↓

Statement	Reason

4. Given:  $l \parallel m$

Prove:  $\angle 7 \cong \angle 8$



Proof of Alternate Exterior Angles Theorem ↓

Statement	Reason