

How is Angle 1 related to Angle 6?

∠1 and ∠6 are called Alternate Exterior Angles

Given a || b

Prove: <u>∠1≅</u> <u>∠6</u>

## Statement

allb

2. 21=24 (orr Lis

# Reason

Given

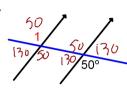
3. LA \$16 Vert Liz 4. LI \$16 Subst or trans

## Theorem:

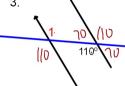
Alternate Exterior Angles are Congruent

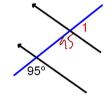
Find the measure of Angle 1 in each pair of parallel lines.

1.









How is Angle 1 related to Angle 5?

∠1 & ∠5 are called Same-Side Exterior Angles

Given a || b

Prove: <u>\_1 & \_5</u> are supplementary

### Statement

2. 21 = 24 COST LS = 3. 24 & 25 Suppl 4. 21 \ 24 \ 5 Suppl

## Reason

Giver

#### Theorem:

~ Corr

Same-Side Exterior Angles are Supplementary