

CIA

Geometry 3.5

Recognize angle pairs that occur with parallel lines

Prove that two lines are parallel

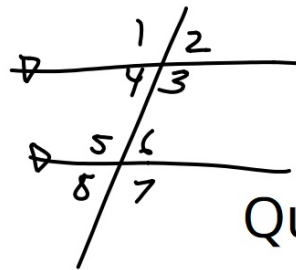
converse

corresponding angles

alternate interior angles

alternate exterior angles

consecutive interior angles



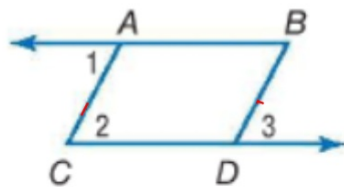
Quiz 3.3-3.4

PROOF Write a two-column proof

25. Given: $\angle 1 \cong \angle 3$

$\overline{AC} \parallel \overline{BD}$

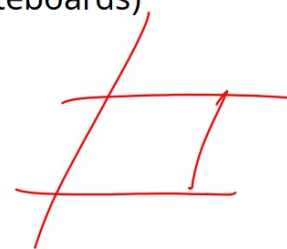
Prove: $\overline{AB} \parallel \overline{CD}$



Draw and markup shape
What is the plan?
Teams put it in writing
(whiteboards)

Given

Prove

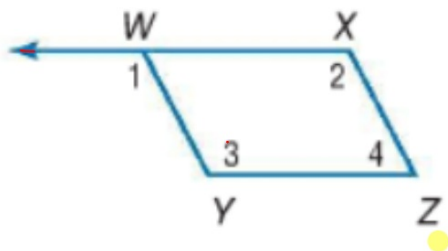


	given
$\overline{AB} \parallel \overline{CD}$	

26. Given: $\overline{WX} \parallel \overline{YZ}$

$$\angle 2 \cong \angle 3$$

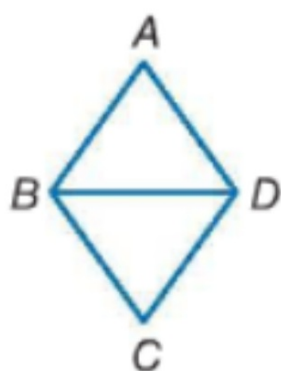
Prove: $\overline{WY} \parallel \overline{XZ}$



27. Given: $\angle ABC \cong \angle ADC$

$$m\angle A + m\angle ABC = 180$$

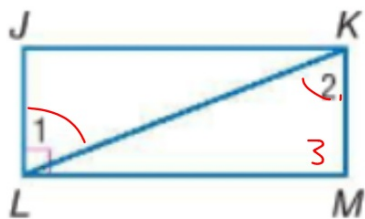
Prove: $\overline{AB} \parallel \overline{CD}$



28. Given: $\angle 1 \cong \angle 2$

$$\overline{LJ} \perp \overline{ML}$$

Prove: $\overline{KM} \perp \overline{ML}$



WB 3.5 skills (odd)
prac. (all)