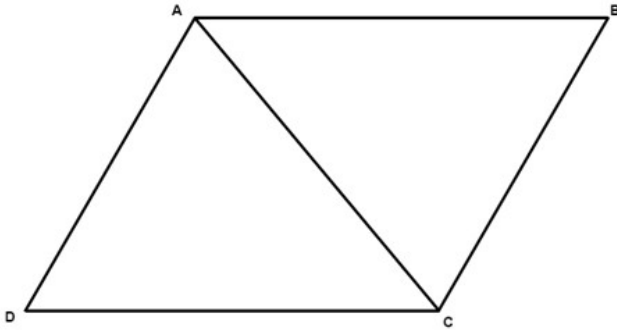


Proving Properties of Parallelograms Progress Check (F2)

Name: _____

1. Given ABCD is a parallelogram, prove opposite sides are congruent.



Statement	Reason
ABCD is a parallelogram	Given
$\overline{AB} \parallel \overline{DC}$ and $\overline{AD} \parallel \overline{BC}$	
	Alternate Interior Angle Theorem
	Reflexive Property
	Alternate Interior Angle Theorem
$\triangle ADC \cong \triangle CBA$	
$\overline{AB} \cong \overline{DC}$ and $\overline{AD} \cong \overline{BC}$	

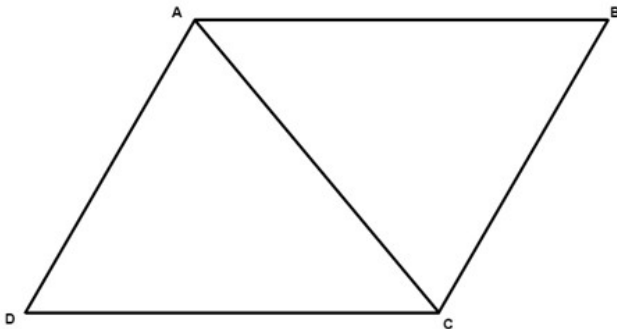
2. If you are proving two triangles are congruent. What are the 5 reasons you could give to support your statement?

3. What must you establish in your proof prior to ever using CPCTC as a reason in your proof?

Proving Properties of Parallelograms Progress Check (F2)

Name: _____

1. Given ABCD is a parallelogram, prove opposite sides are congruent.



Statement	Reason
ABCD is a parallelogram	Given
$\overline{AB} \parallel \overline{DC}$ and $\overline{AD} \parallel \overline{BC}$	
	Alternate Interior Angle Theorem
	Reflexive Property
	Alternate Interior Angle Theorem
$\triangle ADC \cong \triangle CBA$	
$\overline{AB} \cong \overline{DC}$ and $\overline{AD} \cong \overline{BC}$	

2. If you are proving two triangles are congruent. What are the 5 reasons you could give to support your statement?

3. What must you establish in your proof prior to ever using CPCTC as a reason in your proof?