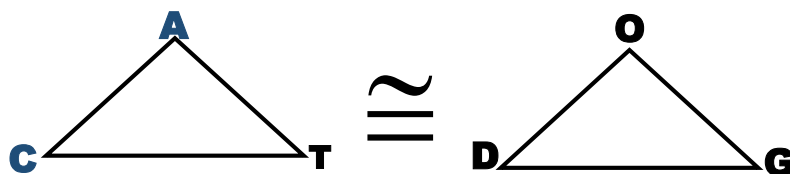


CPCTC Bell Work

TERM:	DEFINITION:
Congruent Triangles	Triangles in which corresponding angles and sides are congruent.

Corresponding Parts of Congruent Triangles are Congruent or CPCTC**EXAMPLE 1** If $\triangle CAT \cong \triangle DOG$, list all of the congruencies:**Angles:**

Sides:

How many congruencies does it take for us to show that two triangles are congruent? _____

How many additional congruencies could we deduce? _____

CPCTC Bell Work

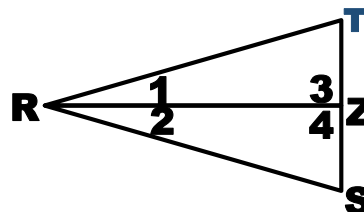
EXAMPLE 2

Given: \overline{RZ} bisects $\angle TRS$

$$\angle 3 \cong \angle 4$$

Prove: $\angle S \cong \angle T$

Will require you to go one step further



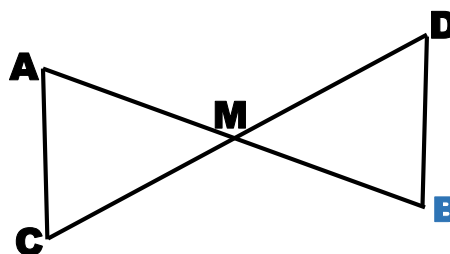
STATEMENTS	REASONS

EXAMPLE 3

Given: \overline{AB} bisects \overline{CD}

$$\angle C \cong \angle D$$

Prove: $\angle A \cong \angle B$



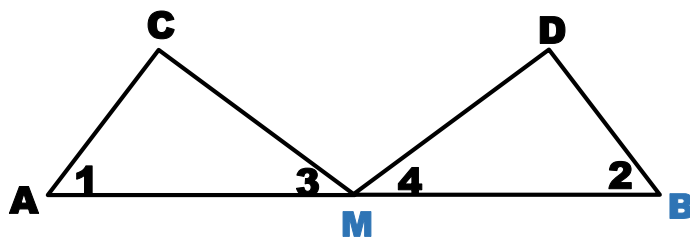
STATEMENTS	REASONS

CPCTC Bell Work

EXAMPLE 4

Given: M is the midpoint of \overline{AB}

$$\angle 1 \cong \angle 2, \angle 3 \cong \angle 4$$



Prove: $\overline{AC} \cong \overline{BD}$

STATEMENTS	REASONS