

## Lesson 5-5

### *correspondence*

Definition

Example

### *congruent figures*

Definition

two or more figures  
that are exactly  
the same size

Example



**Example 1: Writing Congruence Statements**

Write a congruence statement for each pair of congruent polygons.

I Do

$\triangle ATY \cong \triangle LPR$

We Do

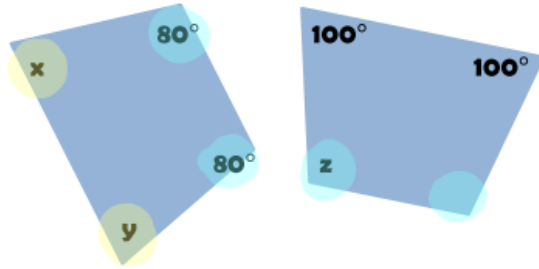
pentagon  $LWTYP \cong$  pentagon  $XUKNE$

4

**Example 2: Using Congruence Relationships to Find Unknowns**

In the figure, the quadrilaterals are congruent.

I Do



A) Find  $x = 100^\circ$

B) Find  $y = 100^\circ$

C) Find  $z = 80^\circ$