

Angles that are in the same relative position with respect to each parallel line and the transversal are called **Corresponding Angles**. In the diagram on the previous page angles 1 and 5 are corresponding angles.

2. Examine the diagram you drew for Part C of Problems 1.

a. Name 3 other pairs of corresponding angles besides angles 1 and 5.

$\angle 1 + \angle 5$ $\angle 3 + \angle 7$
 $\angle 2 + \angle 6$ $\angle 4 + \angle 8$

b. Suppose $m\angle 1 = 123^\circ$ (read the measure of angle 1 is 123 degrees.) Find the measure of as many other angles as you can in your diagram.

Assuming all lines that look parallel are parallel.

Find the value of x .

