Lesson 10-2
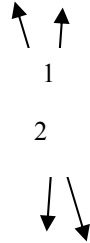
Example 1 Identify Angles
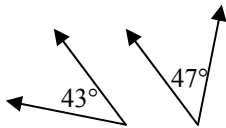**Identify the pair of angles as *complementary*, *supplementary*, or *neither*.**

∠1 and ∠2 form a straight angle. So, the angles are supplementary.

Example 2 Identify Angles
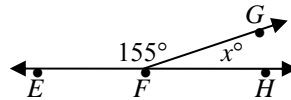**Identify the pair of angles as *complementary*, *supplementary*, or *neither*.**

$43° + 47° = 90°$
The angles are complementary.

Example 3 Find a Missing Angle Measure
ALGEBRA   Find the value of *x*.

Since the two angles form a straight line,
they are supplementary.

	The sum of the measures		
Words	of ∠EFG and ∠GFH	is	180°.
Variable	Let *x* represent the measure of ∠GFH.		
Equation	$155 + x$	=	180

$155 + x =$ 180   Write the equation.
-155 -155 Subtract 155 from each side.
    $x =$ 25

So, the value of *x* is 25.