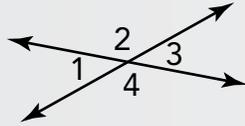


# Vertical and Adjacent

## Example

The measure of angle 1 is  $40^\circ$ . What are the measures of angles 2, 3, and 4?



$$m\angle 2 = 140^\circ$$

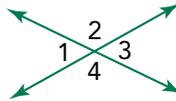
$$m\angle 3 = 40^\circ$$

$$m\angle 4 = 140^\circ$$

Vertical angles are equal.

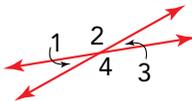
Adjacent angles are supplementary.

The measure of angle 1 is  $55^\circ$ . What are the measures of angles 2 and 3?



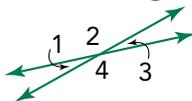
**1**  $m\angle 2 = \square$       **2**  $m\angle 3 = \square$

The measure of angle 3 is  $20^\circ$ . What are the measures of angles 1 and 4?



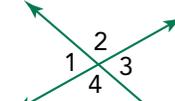
**5**  $m\angle 1 = \square$       **6**  $m\angle 4 = \square$

The measure of angle 1 is  $17^\circ$ . What are the measures of angles 2 and 3?



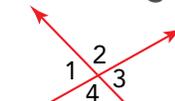
**9**  $m\angle 2 = \square$       **10**  $m\angle 3 = \square$

The measure of angle 2 is  $110^\circ$ . What are the measures of angles 1 and 4?



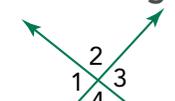
**3**  $m\angle 1 = \square$       **4**  $m\angle 4 = \square$

The measure of angle 4 is  $75^\circ$ . What are the measures of angles 2 and 3?



**7**  $m\angle 2 = \square$       **8**  $m\angle 3 = \square$

The measure of angle 4 is  $86^\circ$ . What are the measures of angles 1 and 2?



**11**  $m\angle 1 = \square$       **12**  $m\angle 2 = \square$

A	B	C	D	E	F
$17^\circ$	$110^\circ$	$163^\circ$	$70^\circ$	$55^\circ$	$86^\circ$
$125^\circ$	$75^\circ$	$20^\circ$	$94^\circ$	$105^\circ$	$160^\circ$
G	H	I	J	K	L

Objective: Find vertical and adjacent angles.

