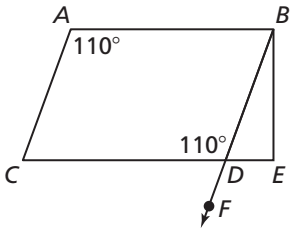
Name_____ Date _____

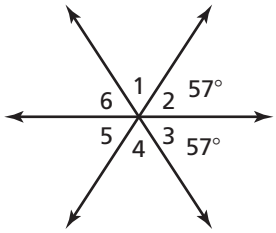
2.6 Practice A

In Exercises 1 and 2, identify the pairs of congruent angles in the figures. Explain how you know they are congruent.

1.

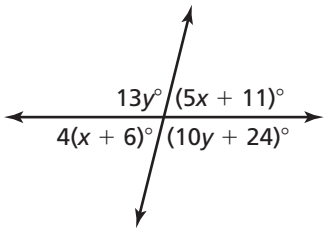


2.

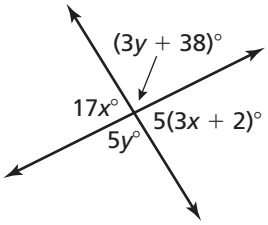


In Exercises 3 and 4, find the values of x and y.

3.



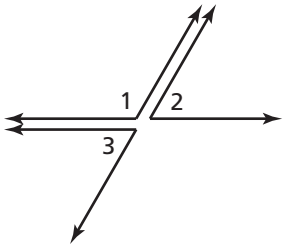
4.



5. Copy and complete the two-column proof.

Given: $\angle 1$ and $\angle 2$ are supplementary.
$\angle 1$ and $\angle 3$ are supplementary.

Prove: $\angle 2 \cong \angle 3$



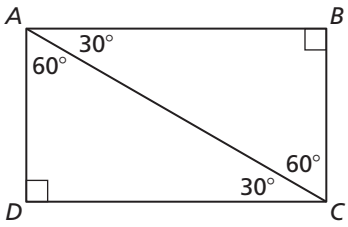
STATEMENTS	REASONS
1. $\angle 1$ and $\angle 2$ are supplementary. $\angle 1$ and $\angle 3$ are supplementary.	**1.** Given
2. $m\angle 1 + m\angle 2 = 180°$ $m\angle 1 + m\angle 3 = 180°$	**2.** _____
3. _____	**3.** Transitive Property
4. $m\angle 2 = m\angle 3$	**4.** _____
5. _____	**5.** Definition of congruent angles

Name _____ Date _____

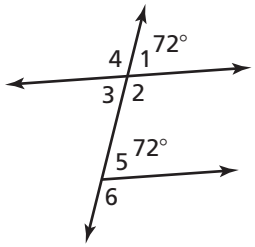
2.6 Practice B

In Exercises 1 and 2, identify the pairs of congruent angles in the figures. Explain how you know they are congruent.

1.

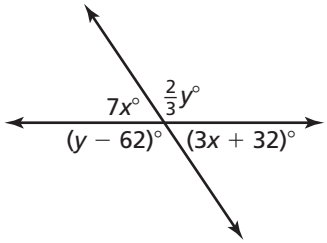


2.

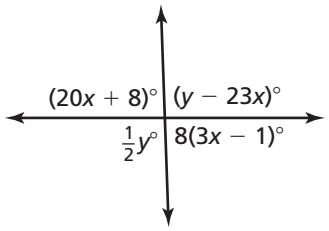


In Exercises 3 and 4, find the values of x and y.

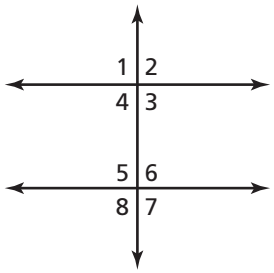
3.



4.



5. Copy and complete the flowchart proof.



Given: $\angle 1$ is a right angle.
$\angle 5$ is a right angle.
$\angle 5$ and $\angle 8$ are supplementary.

Prove: $\angle 3 \cong \angle 8$