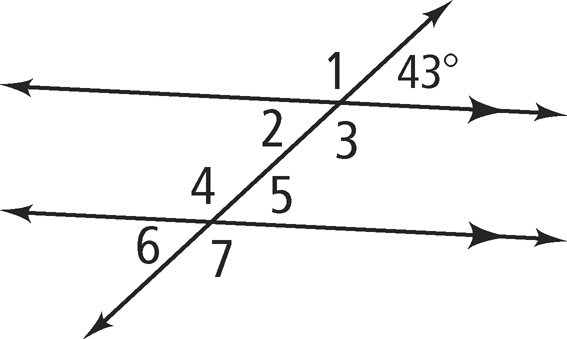
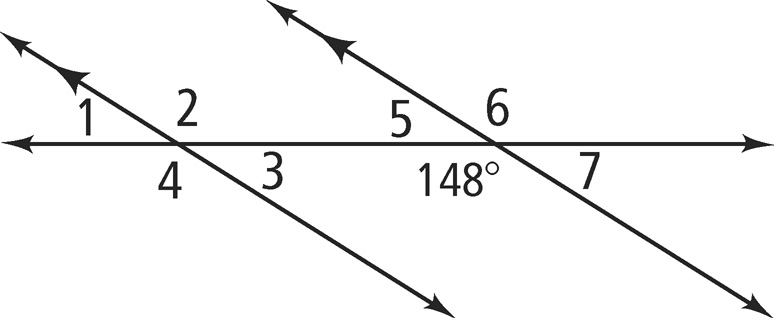
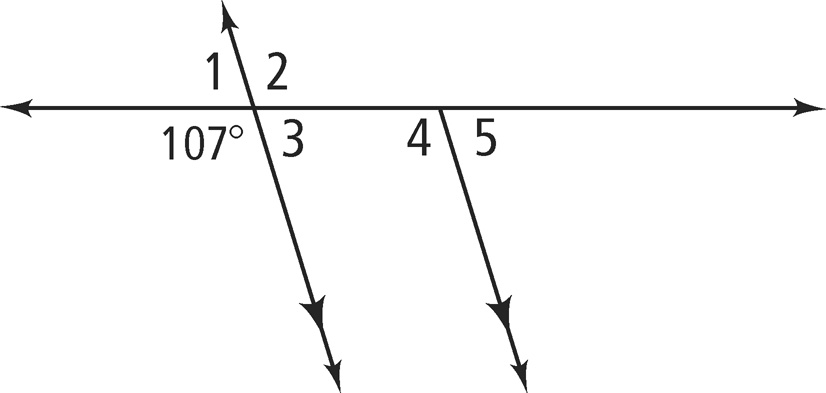
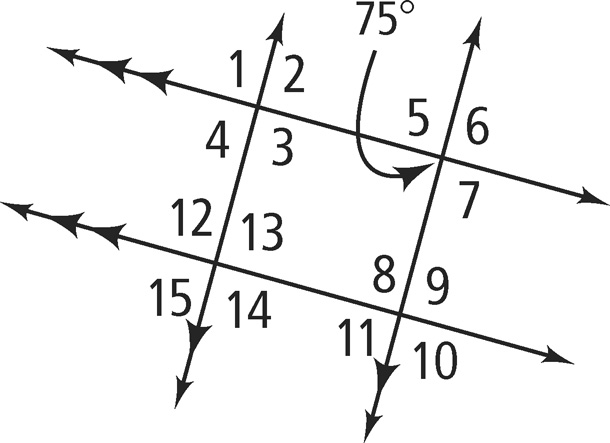
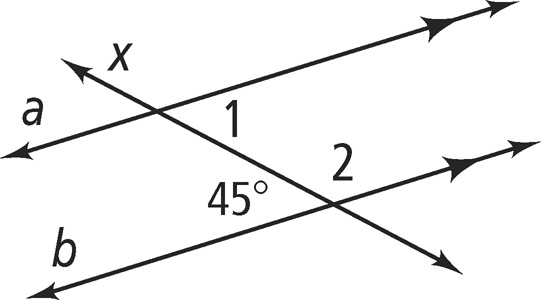
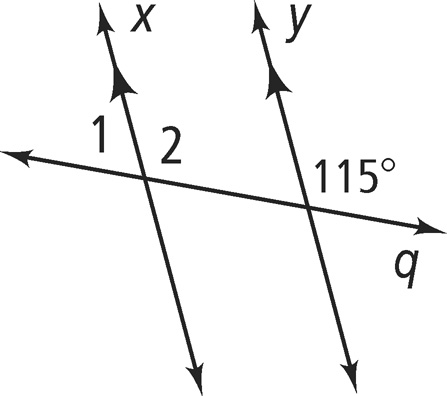
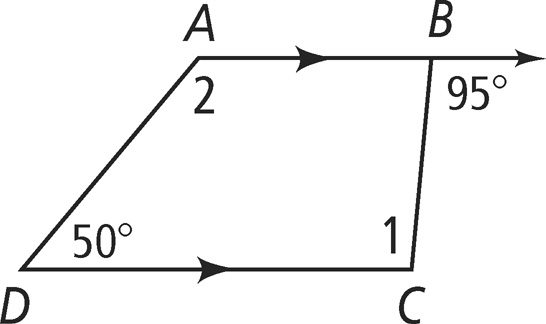
**Identify all the numbered angles that are congruent to the given angle.**

**1. 2.**

**3. 4.**

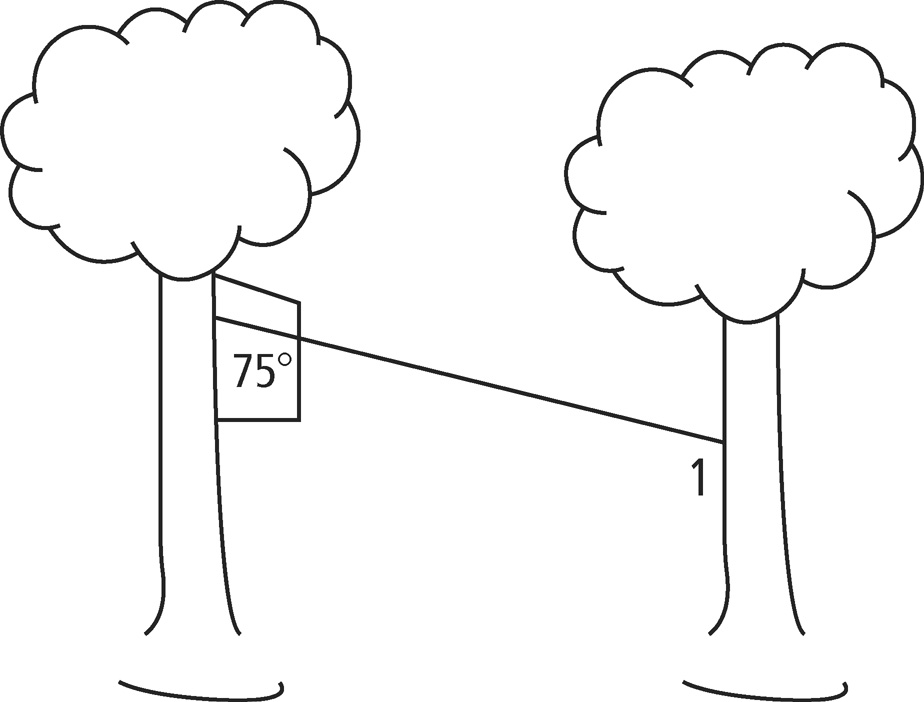
**Find *m*∠1 and *m*∠2*.***

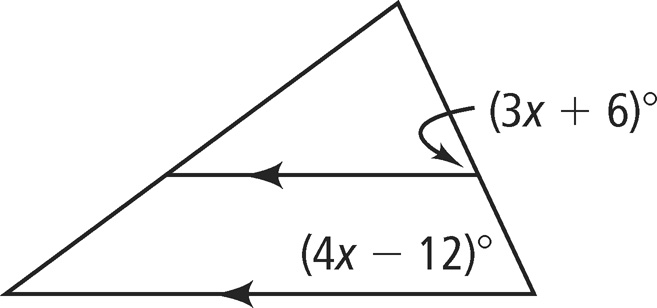
**5. 6. 7.**

**8.** Ana made a zip line for her tree house. To do this, she attached a pulley to a cable. She then strung the cable at an angle between the tree house and another tree. She made the drawing of the zip line at the right. The two trees are parallel.

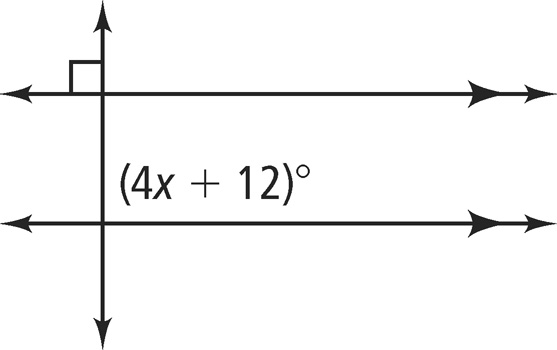
**a.** What is the measure of ∠1?

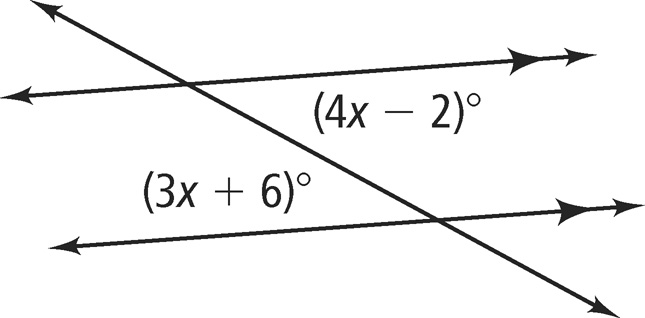
**b.** Are ∠1 and the given angle *same-side interior angles, alternate interior angles,* or *corresponding angles?*

**Algebra Find the value of *x.* Then find the measure of each labeled angle.**

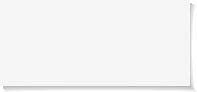
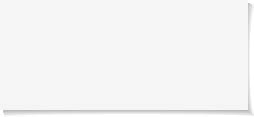
**9.**

**10.**



**11. Error Analysis** Which solution for the value of *x*

in the figure at the right is incorrect? Explain.

 **A. B.**

4x – 2 + 3x – 6 = 180

7x – 8 = 180

x = 24.6

4x – 2 = 3x + 6

x = 8