NAME_____ DATE _____
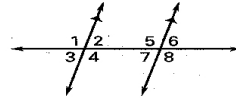
Practice B
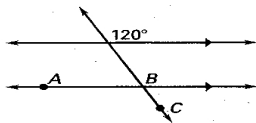
For use with pages 126–135

Use the diagram to determine whether the statement is *true* or *false*.

1. $\angle 1 \cong \angle 6$ by the Same-Side Interior Angles Theorem.

2. $\angle 2 \cong \angle 7$ by the Alternate Interior Angles Theorem.

3. $\angle 3 \cong \angle 7$ by the Alternate Exterior Angles Theorem.

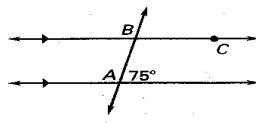4. $m\angle 2 + m\angle 5 = 180°$ by the Same-Side Interior Angles Theorem.
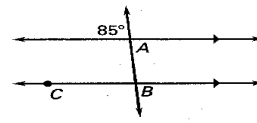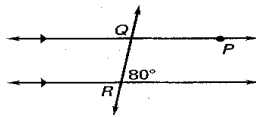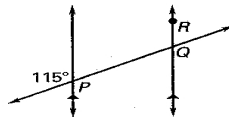
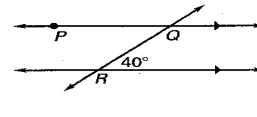**Find the measure of $\angle ABC$.**

5.

6.

7.

Find the measure of $\angle PQR$.

8.

9.

10.

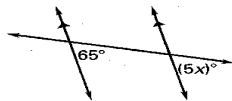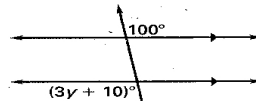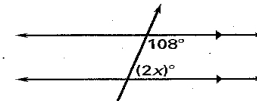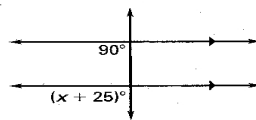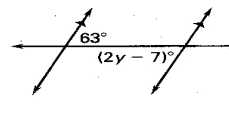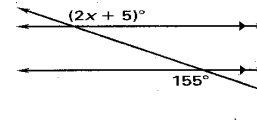**Find the value of the variable.**
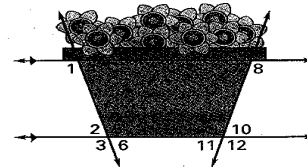
11.

12.

13.

14.

15.

16.

A planting box for flowers is shown in the sketch at the right. The top of the box is parallel to the base.

17. If $m\angle 5 = 108°$, find $m\angle 4$.

18. If $m\angle 11 = 68°$, find $m\angle 7$.

19. If $m\angle 1 = 109°$, find $m\angle 3$.

20. If $m\angle 10 = 73°$, find $m\angle 7$.

21. If $m\angle 1 + m\angle 2 = (5x - 10)°$, find the value of x.