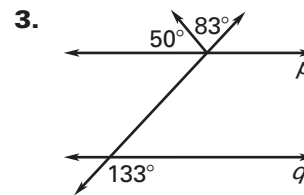
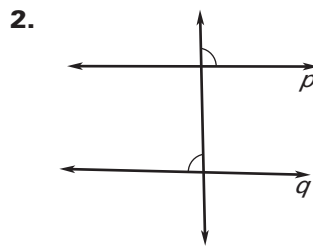
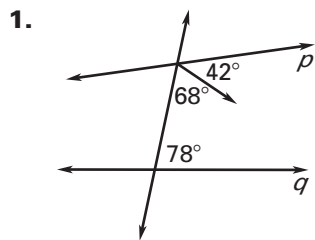
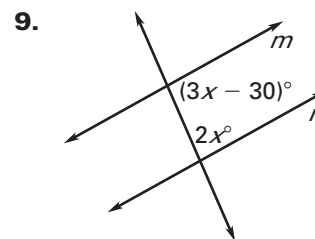
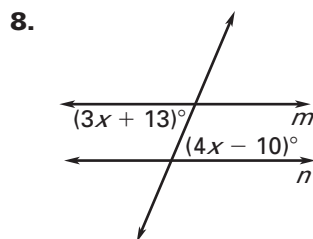
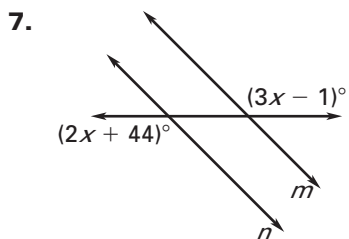
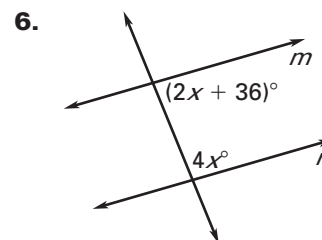
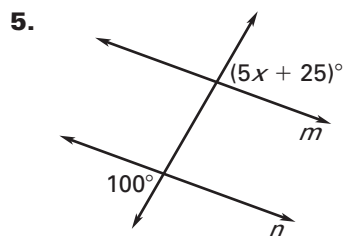
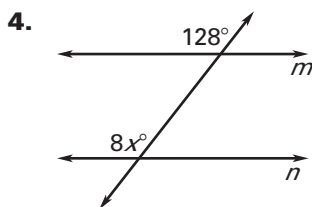


**LESSON 3.3 Practice C**  
For use with pages 161–169

Is there enough information to prove that lines  $p$  and  $q$  are parallel? If so, state the postulate or theorem you would use.

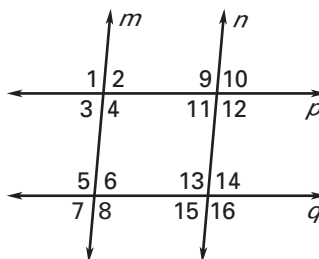


Find the value of  $x$  that makes  $m \parallel n$ .



In Exercises 10–14, use the diagram and the given information to determine if  $m \parallel n$ ,  $p \parallel q$ , or neither.

- 10.  $\angle 3 \cong \angle 10$
- 11.  $\angle 1 \cong \angle 13$
- 12.  $\angle 4 \cong \angle 11$
- 13.  $\angle 12 \cong \angle 13$
- 14.  $\angle 3 \cong \angle 14$



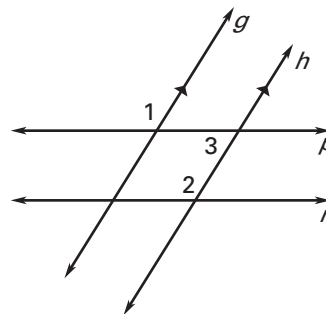
**LESSON**  
**3.3**
**Practice C** *continued*  
 For use with pages 161–169

In Exercises 15 and 16, complete the two-column proof.

15. GIVEN:  $g \parallel h$ ,  $m\angle 1 = 122^\circ$ ,  $m\angle 4 = 122^\circ$

PROVE:  $p \parallel r$

Statements	Reasons
1. $g \parallel h$	1. _____ ?
2. $\angle 1 \cong \angle 3$	2. _____ ?
3. $m\angle 3 = 122^\circ$	3. _____ ?
4. $m\angle 4 = 122^\circ$	4. _____ ?
5. $\angle 3 \cong \angle 4$	5. _____ ?
6. $p \parallel r$	6. _____ ?



16. GIVEN:  $g \parallel h$ ,  $\angle 1$  and  $\angle 2$  are supplementary.

PROVE:  $p \parallel r$

Statements	Reasons
1. $g \parallel h$	1. _____ ?
2. $\angle 1 \cong \angle 3$	2. _____ ?
3. $m\angle 1 = m\angle 3$	3. _____ ?
4. $m\angle 1 + m\angle 2 = 180^\circ$	4. _____ ?
5. $m\angle 3 + m\angle 2 = 180^\circ$	5. _____ ?
6. $\angle 2$ and $\angle 3$ are supplementary.	6. _____ ?
7. $p \parallel r$	7. _____ ?

