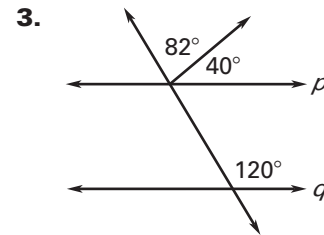
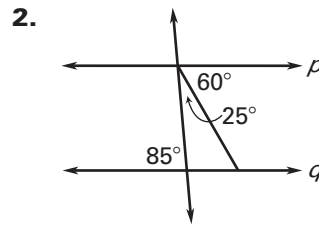
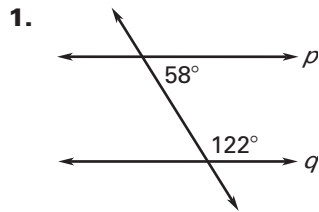
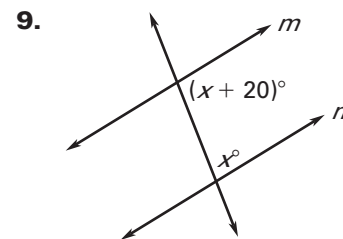
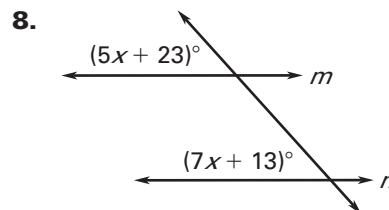
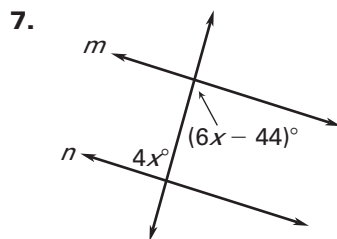
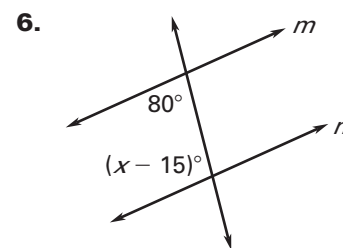
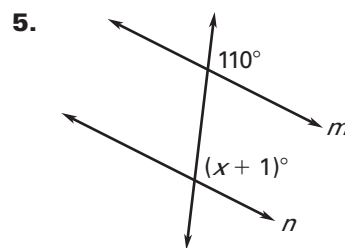
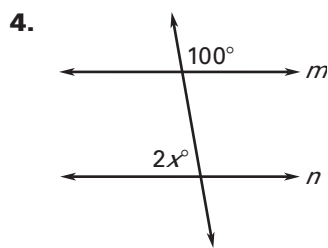


**LESSON**  
**3.3****Practice***For use with pages 161–169*

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



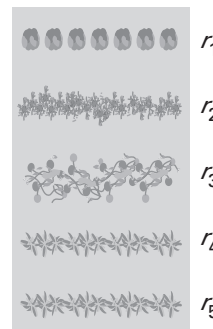
Find the value of  $x$  that makes  $m \parallel n$ .



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

**In Exercises 10–12, choose the word that best completes the statement.**

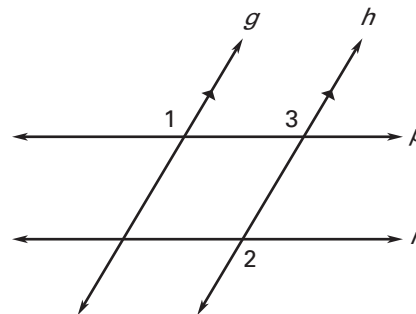
- 10.** If two lines are cut by a transversal so the alternate interior angles are (*congruent, supplementary, complementary*), then the lines are parallel.
- 11.** If two lines are cut by a transversal so the consecutive interior angles are (*congruent, supplementary, complementary*), then the lines are parallel.
- 12.** If two lines are cut by a transversal so the corresponding angles are (*congruent, supplementary, complementary*), then the lines are parallel.
- 13. Gardens** A garden has five rows of vegetables. Each row is parallel to the row immediately next to it.  
*Explain why the first row is parallel to the last row.*



**In Exercises 14–18, complete the two-column proof.**

**GIVEN:**  $g \parallel h$ ,  $\angle 1 \cong \angle 2$

**PROVE:**  $p \parallel r$



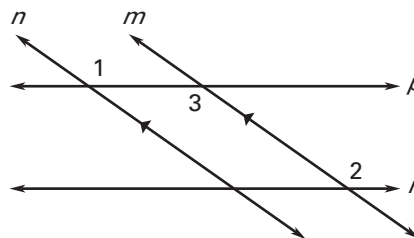
Statements	Reasons
$g \parallel h$	<b>14.</b> _____ ?
$\angle 1 \cong \angle 3$	<b>15.</b> _____ ?
$\angle 1 \cong \angle 2$	<b>16.</b> _____ ?
$\angle 2 \cong \angle 3$	<b>17.</b> _____ ?
$p \parallel r$	<b>18.</b> _____ ?

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

**In Exercises 19–23, complete the two-column proof.**

**GIVEN:**  $n \parallel m$ ,  $\angle 1 \cong \angle 2$

**PROVE:**  $p \parallel r$



Statements	Reasons
$n \parallel m$	<b>19.</b> _____ ?
$\angle 1 \cong \angle 3$	<b>20.</b> _____ ?
$\angle 1 \cong \angle 2$	<b>21.</b> _____ ?
$\angle 2 \cong \angle 3$	<b>22.</b> _____ ?
$p \parallel r$	<b>23.</b> _____ ?

- 24. Railroad Tracks** Two sets of railroad tracks intersect as shown. How do you know that line  $n$  is parallel to line  $m$ ?

