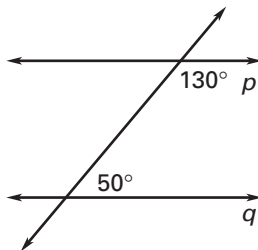


**Practice A**

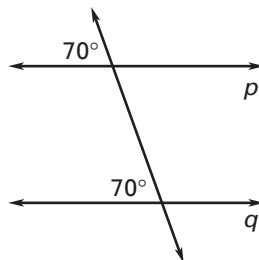
For use with pages 150–156

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

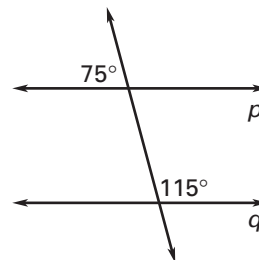
1.



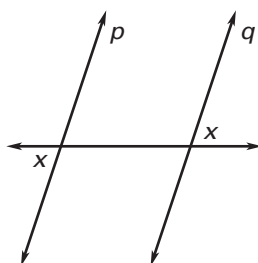
2.



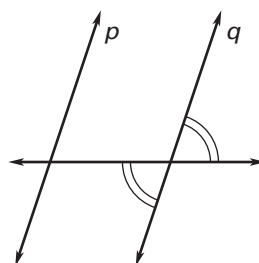
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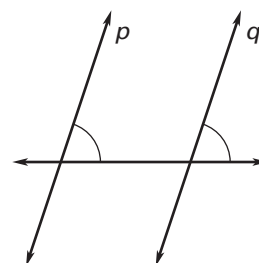
4.



5.

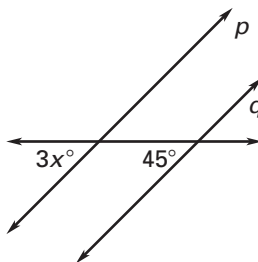


6.

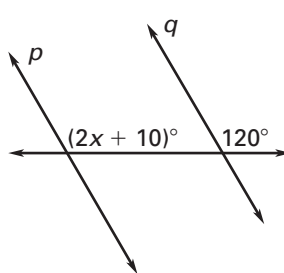


Find the value of  $x$  that makes  $p \parallel q$ .

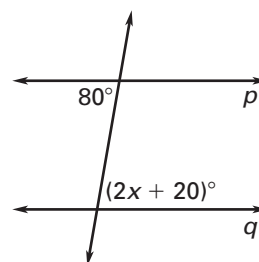
7.



8.

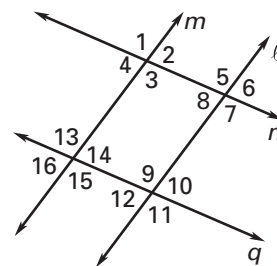


9.



Use the diagram and the given information to determine which lines are parallel.

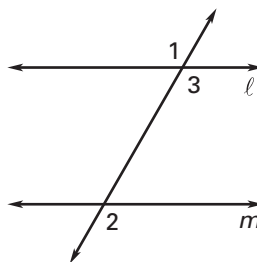
- 10.  $\angle 13 \cong \angle 11$
- 11.  $\angle 4 \cong \angle 8$
- 12.  $\angle 16 \cong \angle 2$
- 13.  $\angle 7 \cong \angle 9$



14. Complete the two-column proof of the Alternate Exterior Angles Converse Theorem.

Given:  $\angle 1 \cong \angle 2$

Prove:  $\ell \parallel m$



Statements	Reasons
1. $\angle 1 \cong \angle 2$	1. _____
2. $\angle 1 \cong \angle 3$	2. _____
3. $\angle 2 \cong \angle 3$	3. _____
4. $\ell \parallel m$	4. _____