

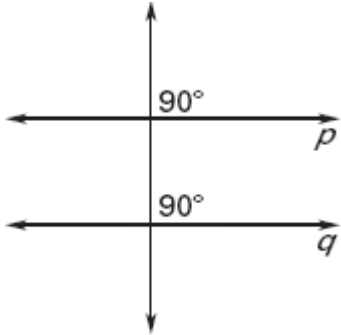
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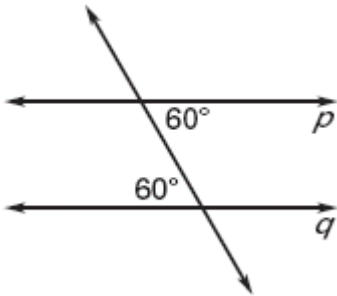
ASSIGNMENT 21 LESSON 3.3

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

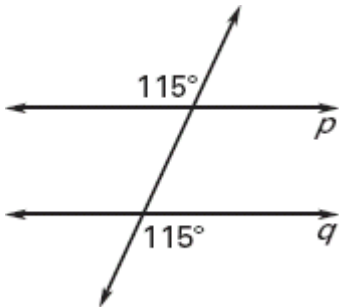
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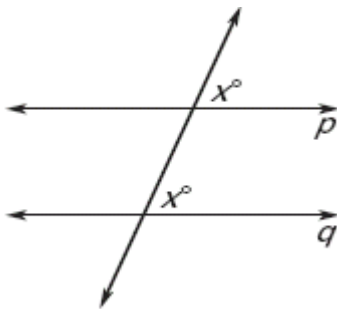
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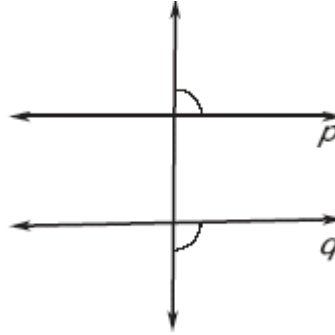
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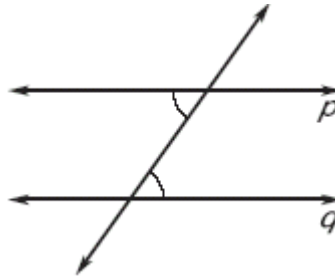
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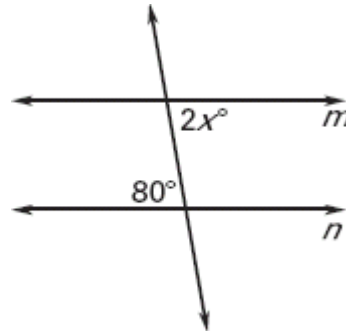


6.

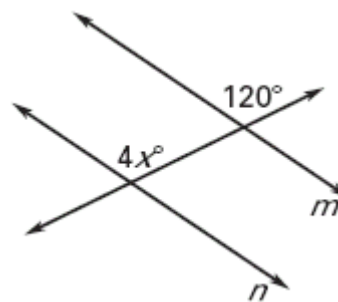


Find the value of x that makes $m \parallel n$.

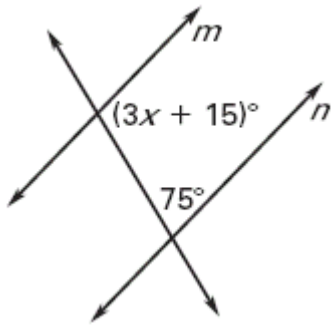
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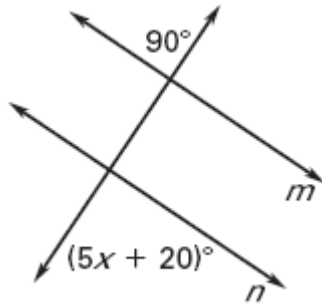
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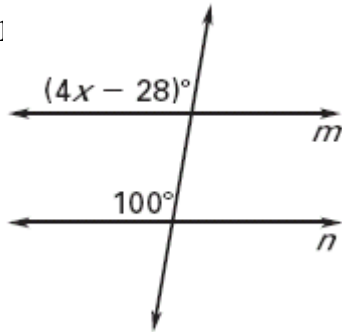
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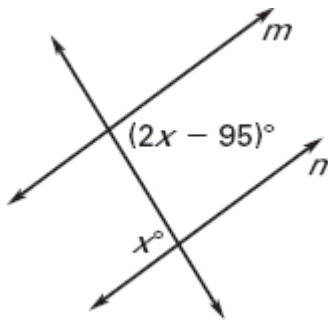
10.



11.



12.



13. **Multiple Choice** Two lines m and n are parallel. They are cut by a transversal so that $\angle A$ and $\angle B$ are consecutive interior angles. If $m\angle A$ is 84° , what is $m\angle B$?

- A. 6°
- B. 84°
- C. 96°
- D. 276°

Exercises 14–17, use the diagram and the given information to determine if $m \parallel n$, $p \parallel q$, or *neither*.

- 14. $\angle 2 \cong \angle 11$
- 15. $\angle 1 \cong \angle 8$
- 16. $\angle 10 \cong \angle 14$
- 17. $\angle 4 \cong \angle 16$

