Name _____ Date _____

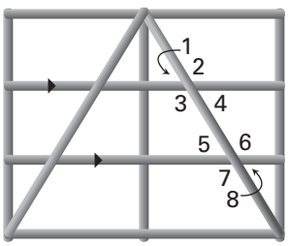
LESSON 3.2

Practice

For use with pages 153–160

Find the angle measure. Tell which postulate or theorem you use.

1. If $m\angle 1 = 50°$, then $m\angle 5 =$ ___?___.



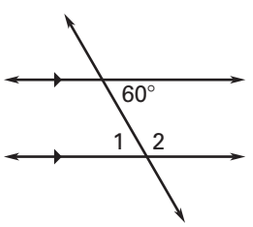
2. If $m\angle 4 = 45°$, then $m\angle 6 =$ ___?___.

3. If $m\angle 2 = 130°$, then $m\angle 7 =$ ___?___.

4. If $m\angle 6 = 123°$, then $m\angle 3 =$ ___?___.

Find $m\angle 1$ and $m\angle 2$.

5.



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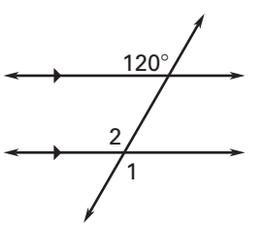

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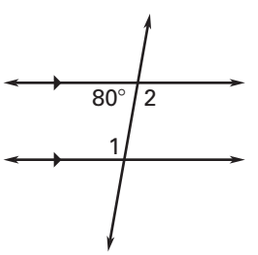

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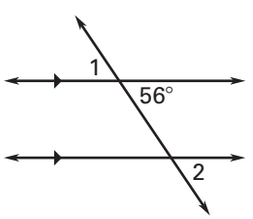

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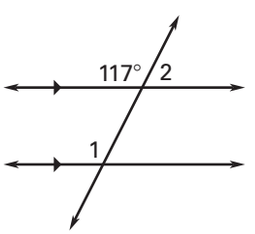

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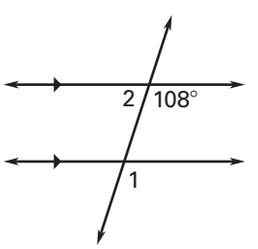


Name _____ Date _____

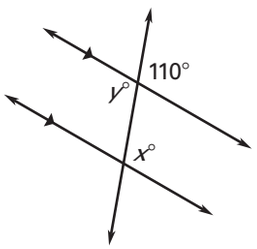
LESSON 3.2

Practice *continued*

For use with pages 153–160

Find the values of x and y.

11.



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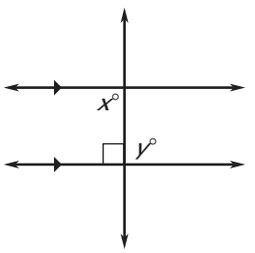

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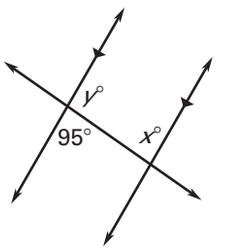

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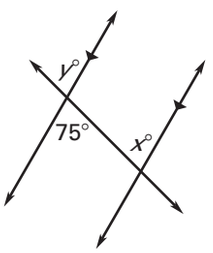

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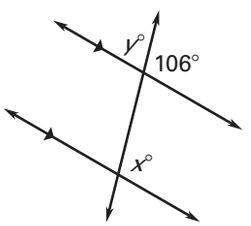

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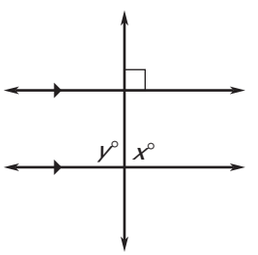
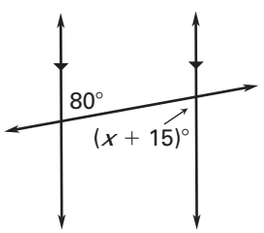


Find the value of x.

17.



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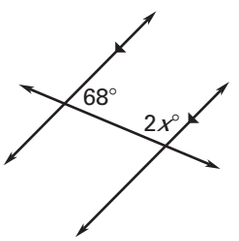

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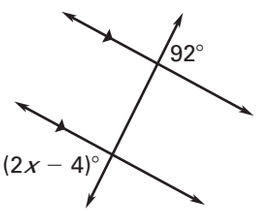

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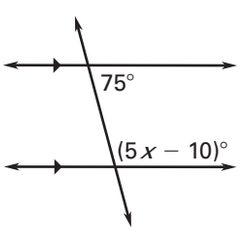

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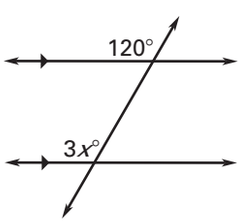

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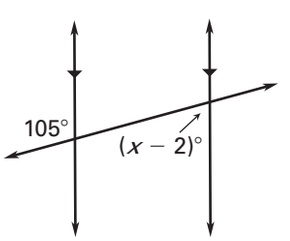


Name _____ Date _____

LESSON 3.2

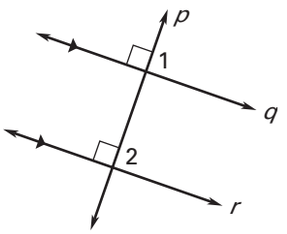
Practice *continued*

For use with pages 153–160

In Exercises 23–31, complete the two-column proof.

GIVEN: $p \Psi q$, $q \parallel r$

PROVE: $p \Psi r$



Statements	Reasons
$p \Psi q$	**23.** ?
$\measuredangle 1$ is a right angle.	**24.** ?
$m\measuredangle 1 = 90°$	**25.** ?
$q \parallel r$	**26.** ?
$\measuredangle 1 \cong \measuredangle 2$	**27.** ?
$m\measuredangle 1 = m\measuredangle 2$	**28.** ?
$m\measuredangle 2 = 90°$	**29.** ?
$\measuredangle 2$ is a right angle.	**30.** ?
$p \Psi r$	**31.** ?