

LESSON
3.2

Practice

For use with pages 153–160

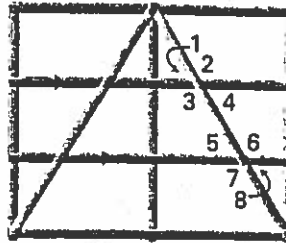
Find the angle measure. Tell which postulate or theorem you use.

1. If $m\angle 1 = 50^\circ$, then $m\angle 5 = \underline{\quad? \quad}$.

2. If $m\angle 4 = 45^\circ$, then $m\angle 6 = \underline{\quad? \quad}$.

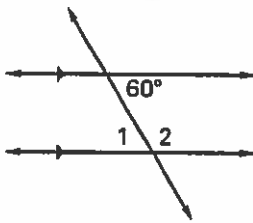
3. If $m\angle 2 = 130^\circ$, then $m\angle 7 = \underline{\quad? \quad}$.

4. If $m\angle 6 = 123^\circ$, then $m\angle 3 = \underline{\quad? \quad}$.

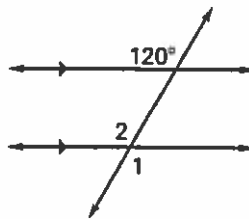


Find $m\angle 1$ and $m\angle 2$.

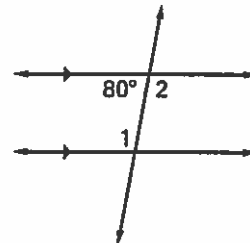
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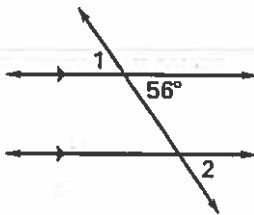
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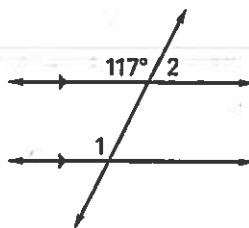
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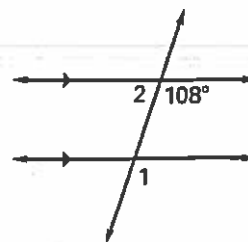
8.



9.



10.



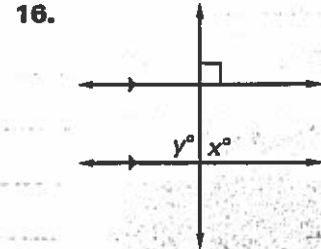
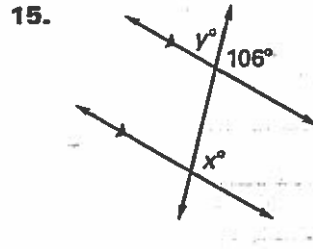
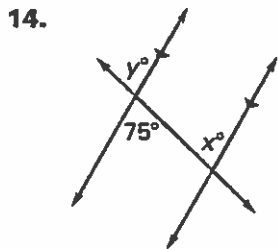
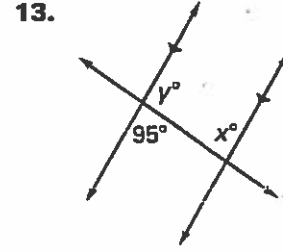
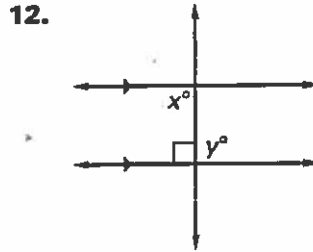
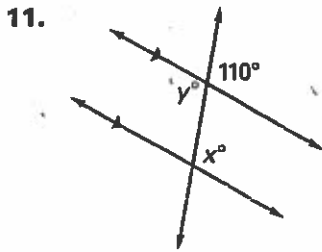
Name _____

Date _____

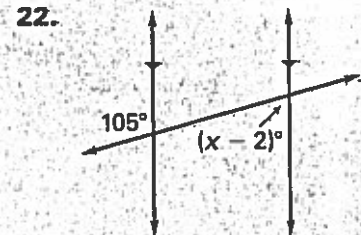
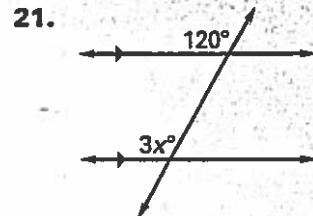
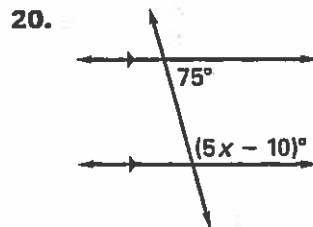
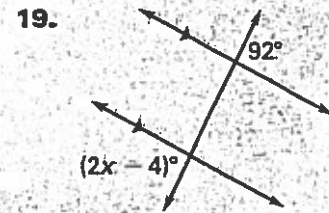
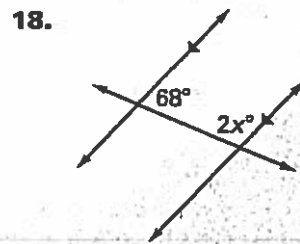
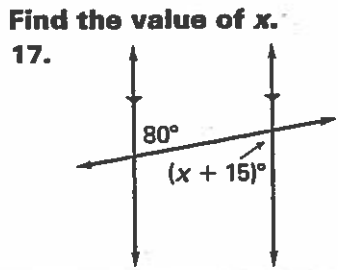
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Practice *continued*
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Find the values of x and y .



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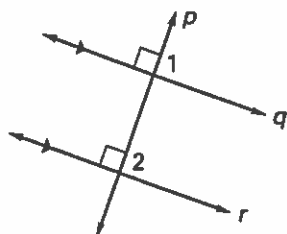
Practice *continued*

For use with pages 153–160

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

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

PROVE: $p \perp r$



Statements	Reasons
$p \perp q$	23. _____ ?
$\angle 1$ is a right angle.	24. _____ ?
$m\angle 1 = 90^\circ$	25. _____ ?
$q \parallel r$	26. _____ ?
$\angle 1 \cong \angle 2$	27. _____ ?
$m\angle 1 = m\angle 2$	28. _____ ?
$m\angle 2 = 90^\circ$	29. _____ ?
$\angle 2$ is a right angle.	30. _____ ?
$p \perp r$	31. _____ ?

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