

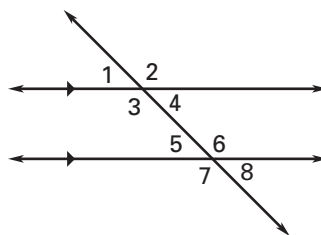
Those weird symbols are supposed to be the "angle" symbol.

**LESSON 3.2 Practice A**  
For use with pages 153–160

If you turn this in on time: do the odds.  
If you turn this in late or you are doing it over: do the evens.

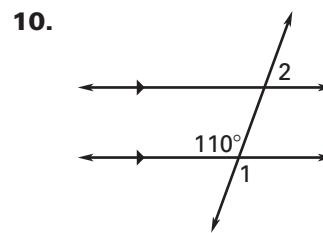
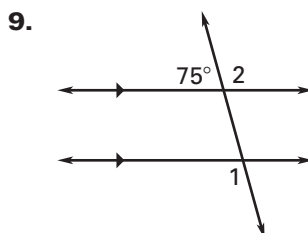
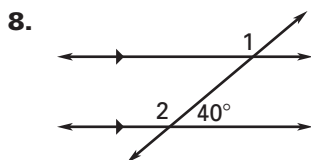
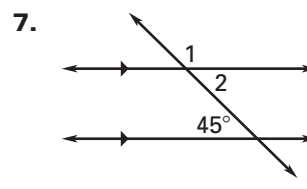
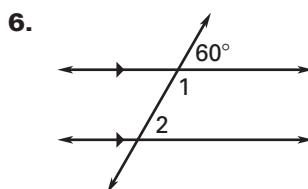
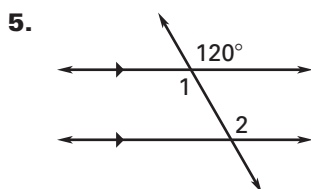
**What postulate or theorem justifies the statement about the diagram?**

1.  $\angle 1 \cong \angle 5$
2.  $\angle 4$  and  $\angle 6$  are supplementary.
3.  $\angle 4 \cong \angle 5$
4.  $\angle 2 \cong \angle 7$

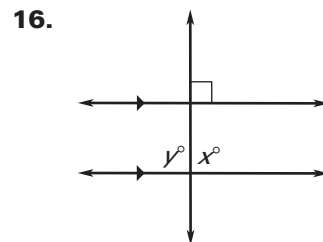
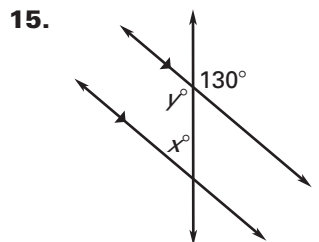
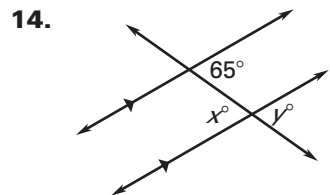
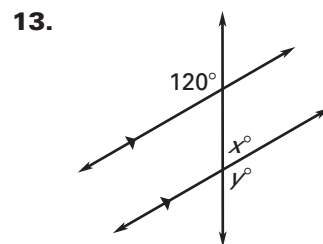
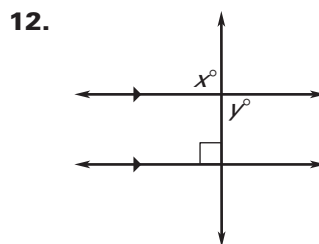
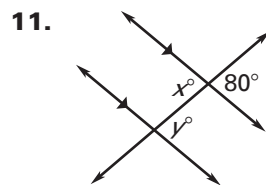


Teacher Score: \_\_\_\_\_

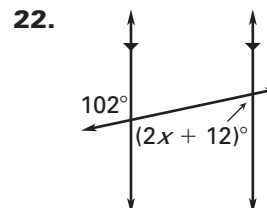
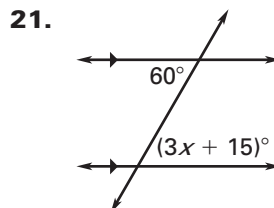
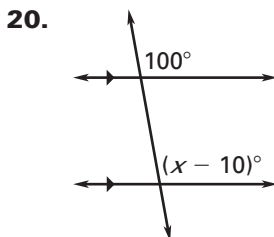
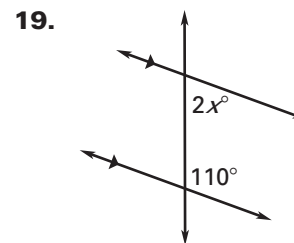
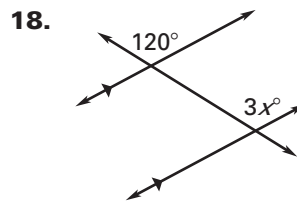
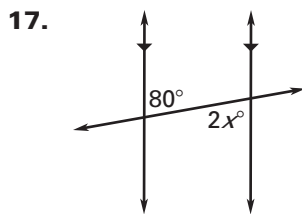
**Find  $m\angle 1$  and  $m\angle 2$ .**



**Find the values of  $x$  and  $y$ .**



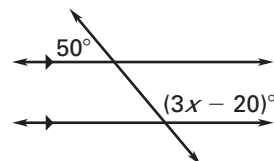
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**LESSON**  
**3.2**
**Practice A** *continued*  
*For use with pages 153–160*
**Find the value of  $x$ .**


23. **Multiple Choice** What is the value of  $x$  in the diagram?

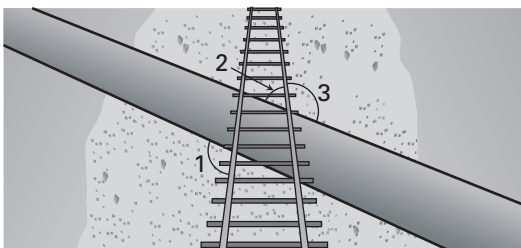
- A. 40  
C. 60

- B. 50  
D. 70



**In Exercises 24–27, use the diagram.**

A hiking trail crosses a set of train tracks as shown in the diagram. The path of the hiking trail forms angles 1, 2, and 3 with the parallel tracks.



24. If  $m\angle 1 = 135^\circ$ , what is  $m\angle 3$ ?  
 25. If  $m\angle 1 = 135^\circ$ , what is  $m\angle 2$ ?  
 26. If  $m\angle 2 = 40^\circ$ , what is  $m\angle 3$ ?  
 27. If  $m\angle 2 = 50^\circ$ , what is  $m\angle 1$ ?