Name _____ Date _____

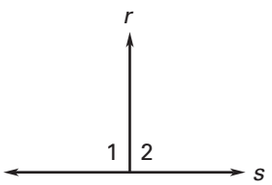
LESSON 3.6

Practice B

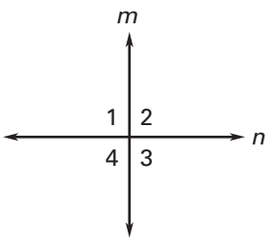
For use with pages 190–197

What can you conclude from the given information? State the reason for your conclusion.

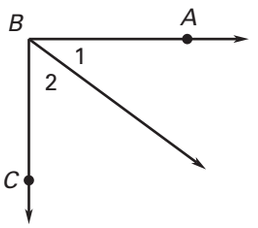
1. $\angle 1 \cong \angle 2$



2. $n \perp m$

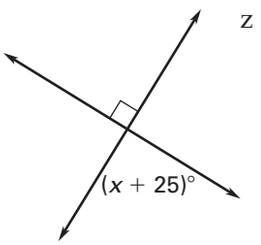


3. $\overrightarrow{BA} \perp \overrightarrow{BC}$

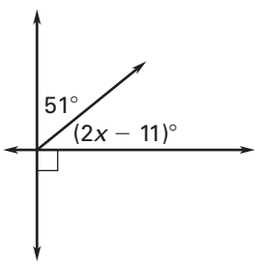


Find the value of *x*.

4.



5.



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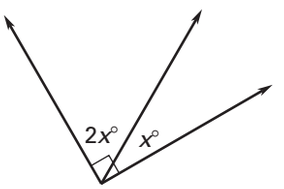

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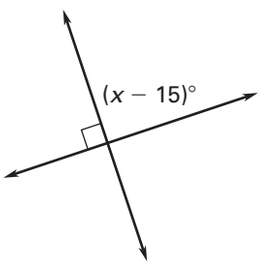
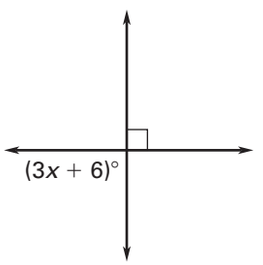
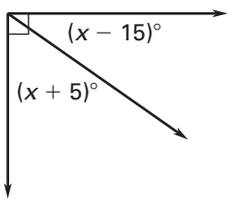


8.



9.



Find the measure of the indicated angle.

10. $\angle 1$

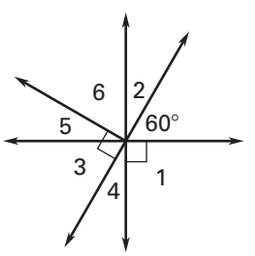
11. $\angle 2$

12. $\angle 3$

13. $\angle 4$

14. $\angle 5$

15. $\angle 6$

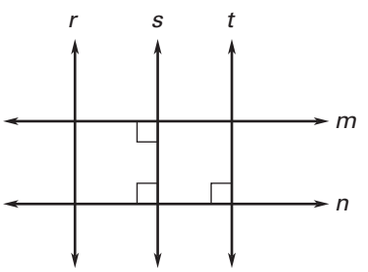


In Exercises 16–18, use the diagram.

16. Is $r \parallel s$?

17. Is $m \parallel n$?

18. Is $s \parallel t$?



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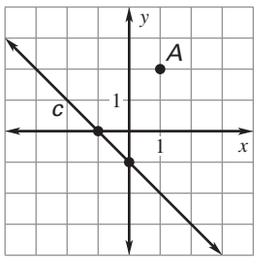
LESSON 3.6

Practice B *continued*

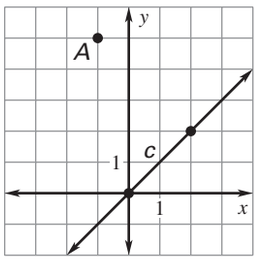
For use with pages 190–197

Find the distance from point *A* to line *c*. Round your answers to the nearest tenth.

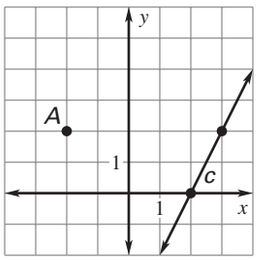
19.



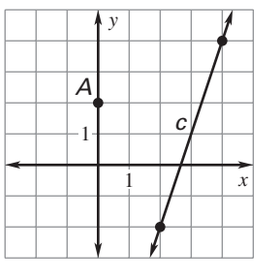
20.



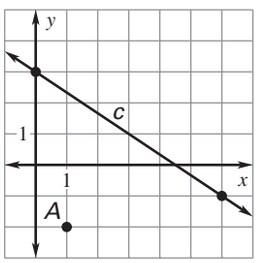
21.



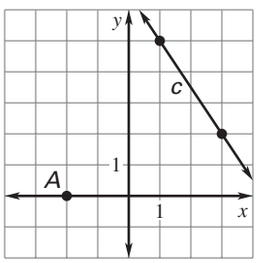
22.



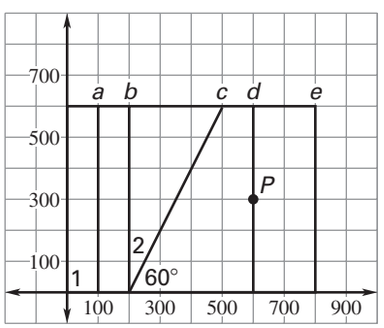
23.



24.



25. **Maps** A map of a neighborhood is drawn on a graph where units are measured in feet.



a. Find $m\angle 1$.

b. Find $m\angle 2$.

c. Find the distance from point P to line a.

d. Find the distance from point P to line c. Round your answer to the nearest foot.

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