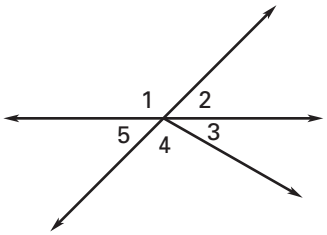
LESSON 1.6

NAME _____ DATE _____

Practice A

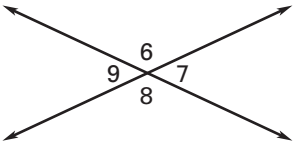
For use with pages 44–50

Use the figure at the right.



1. Are $\angle 1$ and $\angle 2$ adjacent?
2. Are $\angle 1$ and $\angle 2$ a linear pair?
3. Are $\angle 3$ and $\angle 4$ a linear pair?
4. Are $\angle 2$ and $\angle 5$ vertical angles?
5. Are $\angle 1$ and $\angle 4$ vertical angles?
6. Are $\angle 3$ and $\angle 5$ vertical angles?

Use the figure at the right.



7. If $m\angle 6 = 78°$, then $m\angle 7 =$ ___?___.
8. If $m\angle 8 = 94°$, then $m\angle 6 =$ ___?___.
9. If $m\angle 9 = 124°$, then $m\angle 8 =$ ___?___.
10. If $m\angle 7 = 47°$, then $m\angle 9 =$ ___?___.
11. If $m\angle 8 = 158°$, then $m\angle 9 =$ ___?___.
12. If $m\angle 7 = 15°$, then $m\angle 6 =$ ___?___.

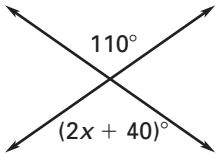
Each problem is a new problem and does NOT build off of information from previous problems.

Find the complement and supplement of the following:

13. If $m\angle A = 42°$, Complement _____ Supplement _____
14. If $m\angle B = 78°$, Complement _____ Supplement _____
15. If $m\angle A = 17°$, Complement _____ Supplement _____
16. If $m\angle B = 45°$, Complement _____ Supplement _____

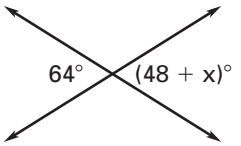
Find the value of the variable.

17.

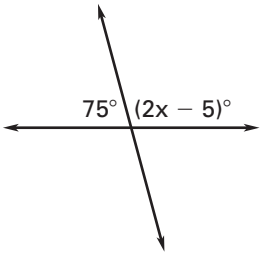


18.

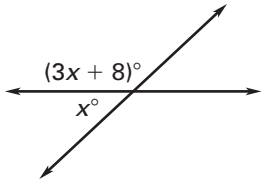
19.



20.



21.



22.