LESSON 4.2

NAME _____ DATE _____

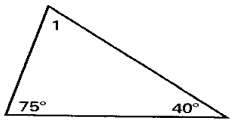
Practice A

For use with pages 179–184

1. Which equation can be used to find $m\angle 1$ in the diagram?

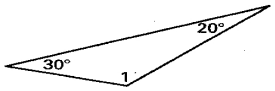
A. $75° + 40° = m\angle 1$ **B.** $m\angle 1 + 40° + 75° = 180°$

C. $75° + m\angle 1 = 40°$ **D.** $m\angle 1 + 40° + 75° = 180°$



Find the measure of $\angle 1$.

2.



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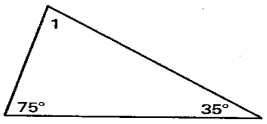

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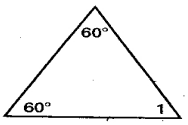
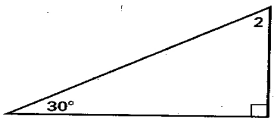


Find the measure of $\angle 2$.

5.



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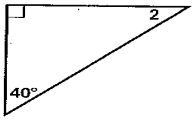

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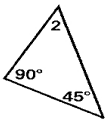
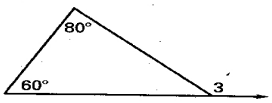
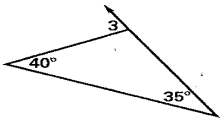


Find the measure of $\angle 3$.

8.



9.



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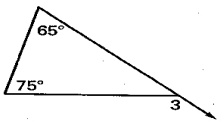
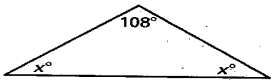


Find the value of x.

11.



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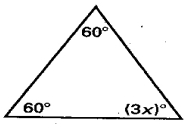
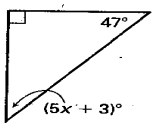


13.



14. From your house, you walk north for two miles. Then you walk east for two miles. Next, you turn 45° to your right and walk back to your house. What is the measure of $\angle 1$, as shown in the diagram at the right?