

5-2

Practice

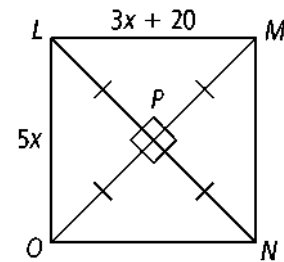
Form G

Perpendicular and Angle Bisectors

Use the figure at the right for Exercises 1 to 4.

1. What is the relationship between \overline{LN} and \overline{MO} ?

2. What is the value of x ?



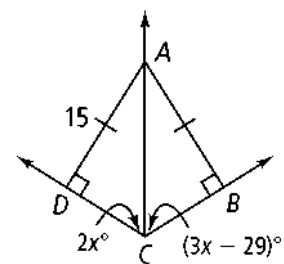
3. Find LM .

4. Find LO .

Use the figure at the right for Exercises 5 to 8.

5. According to the figure, how far is A from \overline{CD} ? from \overline{CB} ?

6. How is \overrightarrow{CA} related to $\angle DCB$? Explain.



7. Find the value of x .

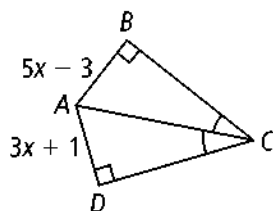
8. Find $m\angle ACD$ and $m\angle ACB$.

9. Find $m\angle DAC$ and $m\angle BAC$.

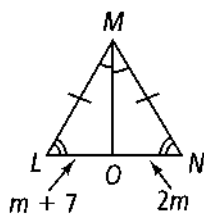
Name _____ Class _____ Date _____

Algebra Find the indicated variables and measures.

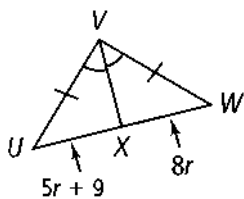
10. x , BA , DA



11. m , LO , NO



12. r , UW



Writing Determine whether A must be on the bisector of $\angle LMN$. Explain.

- 13.

