

5-2

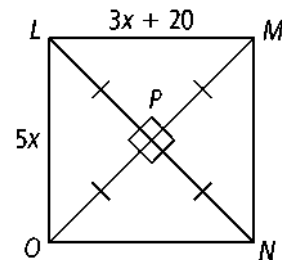
Practice

Form G

Perpendicular and Angle Bisectors

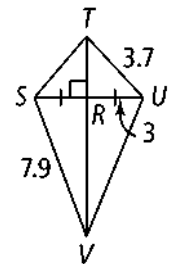
Use the figure at the right for Exercises 1–4.

1. What is the relationship between \overline{LN} and \overline{MO} ?
2. What is the value of x ?
3. Find LM .
4. Find LO .



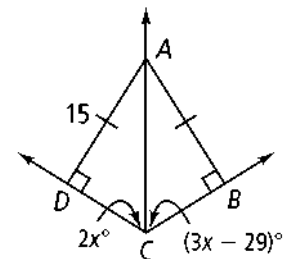
Use the figure at the right for Exercises 5–8.

5. From the information given in the figure, how is \overline{TV} related to \overline{SU} ?
 6. Find TS .
 7. Find UV .
 8. Find SU .
- know?



Use the figure at the right for Exercises 11–15.

11. According to the figure, how far is A from \overline{CD} ? from \overline{CB} ?
12. How is \overrightarrow{CA} related to $\angle DCB$? Explain.
13. Find the value of x .
14. Find $m\angle ACD$ and $m\angle ACB$.
15. Find $m\angle DAC$ and $m\angle BAC$.



5-2

Practice (continued)

Form G

Perpendicular and Angle Bisectors

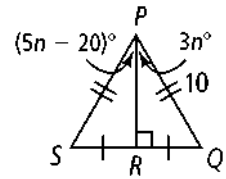
Use the figure at the right for Exercises 16–19.

16. According to the diagram, what are the lengths of \overline{PQ} and \overline{PS} ?

17. How is \overline{PR} related to $\angle SPQ$?

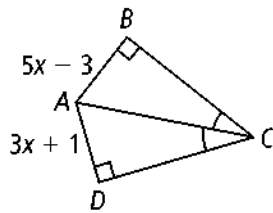
18. Find the value of n .

19. Find $m\angle SPR$ and $m\angle QPR$.

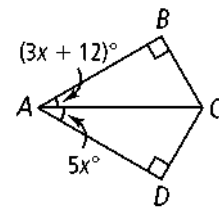


Algebra Find the indicated variables and measures.

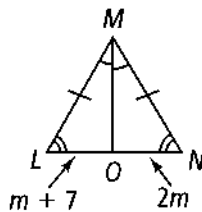
20. x , BA , DA



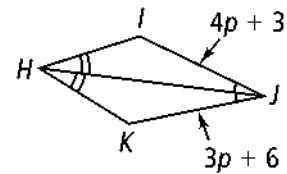
22. x , $m\angle DAB$



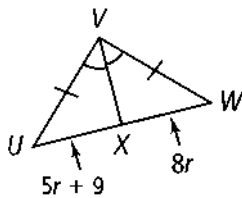
23. m , LO , NO



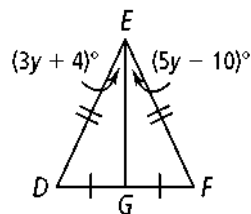
25. p , IJ , KJ



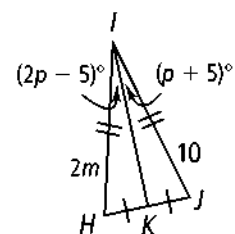
26. r , UW



27. y , $m\angle DEF$

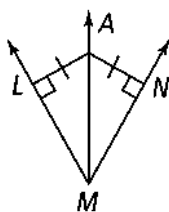


28. m , p



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

29.



30.

