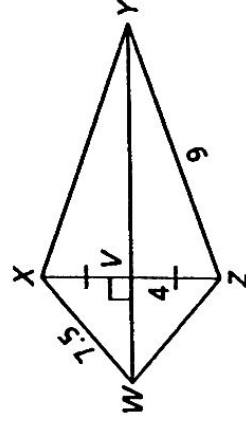


Practice 5-2

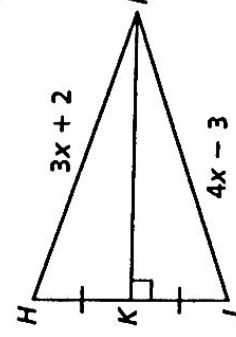
Bisectors in Triangles

Use the figure at the right for Exercises 1-5.



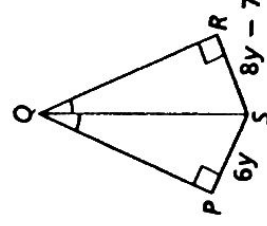
1. How is \overline{WY} related to \overline{XZ} ?
2. Find XV .
3. Find WZ .
4. Find XY .
5. What kind of triangle is $\triangle WXV$?

Use the figure at the right for Exercises 6-10.



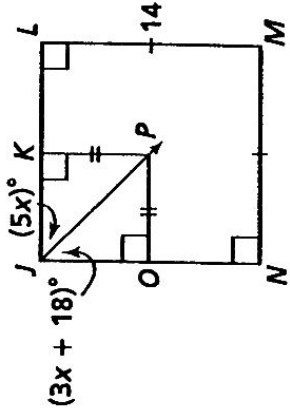
6. Find the value of x .
7. Find HI .
8. Find JI .
9. If L lies on \overline{KI} , then L is $\underline{\quad ? \quad}$ from H and J .
10. What kind of triangle is $\triangle HIJ$?

Use the figure at the right for Exercises 11-14.



11. Find the value of y .
12. Find PS .
13. Find RS .
14. What kind of triangle is $\triangle PQS$?

Use the figure at the right for Exercises 15--21.



15. How is \overrightarrow{JP} related to $\angle LJN$?
16. Find the value of x .
17. Find $m\angle KJP$.
18. Find $m\angle OJP$.
19. Find NM .
20. Write a conclusion about point M .
21. What kind of triangle is $\triangle JOP$?

is \overline{AB} a perpendicular bisector, an angle bisector, an altitude, a median, or none of these?

