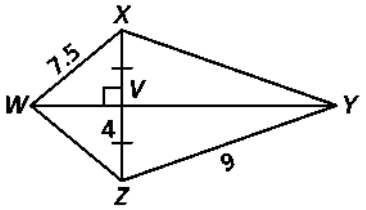
Name _____ Class _____ Date _____

Practice 5-2

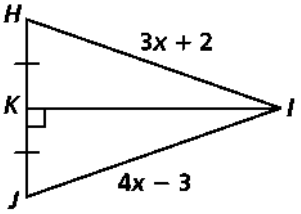
Bisectors in Triangles

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



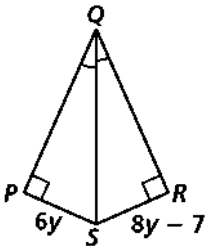
1. How is $\overline{WY}$ related to $\overline{XZ}$?
2. Find *XV*.
3. Find *WZ*.
4. Find *XY*.
5. What kind of triangle is $\triangle WXV$?

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



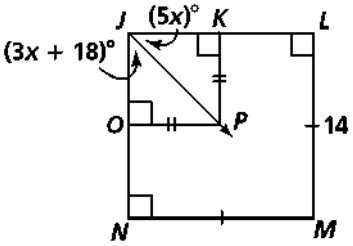
6. Find the value of *x*.
7. Find *HI*.
8. Find *JI*.
9. If *L* lies on $\overline{KI}$, then *L* is ___?___ from *H* and *J*.
10. What kind of triangle is $\triangle HIJ$?

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 $\triangle JOP$?

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