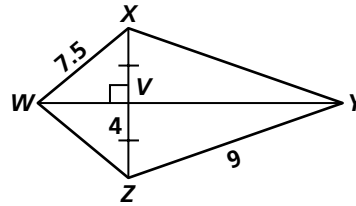


# Practice 5-2

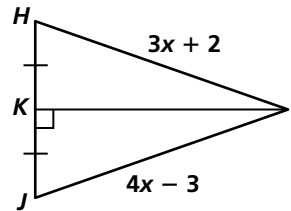
## Bisectors in Triangles

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



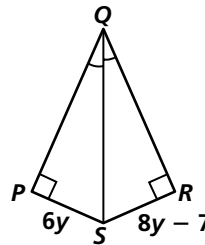
- How is  $\overline{WY}$  related to  $\overline{XZ}$ ?
- Find  $XV$ .
- Find  $WZ$ .
- Find  $XY$ .
- What kind of triangle is  $\triangle WXV$ ?

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



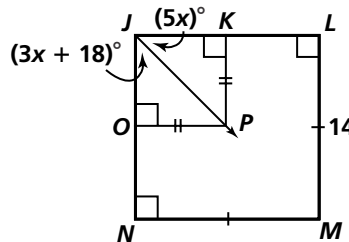
- Find the value of  $x$ .
- Find  $HI$ .
- Find  $JL$ .
- If  $L$  lies on  $\overline{KI}$ , then  $L$  is  $?$  from  $H$  and  $J$ .
- What kind of triangle is  $\triangle HIJ$ ?

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



- Find the value of  $y$ .
- Find  $PS$ .
- Find  $RS$ .
- What kind of triangle is  $\triangle PQS$ ?

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



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