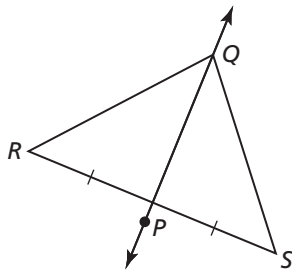


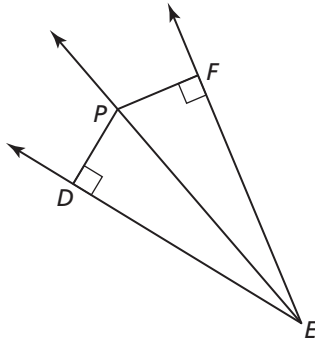
6.2 Practice B

In Exercises 1–3, tell whether the information in the diagram allows you to conclude that point P lies on the perpendicular bisector of \overline{RS} , or on the angle bisector of $\angle DEF$. Explain your reasoning.

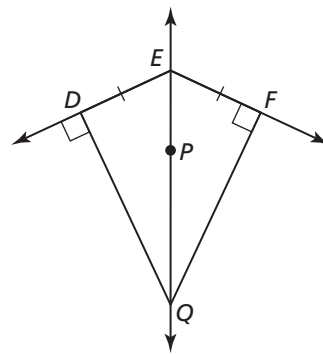
1.



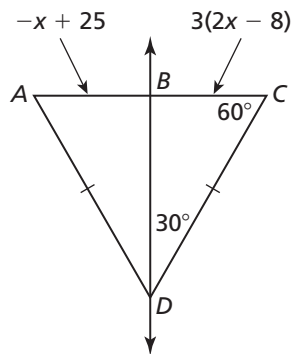
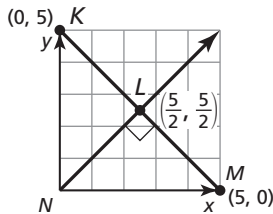
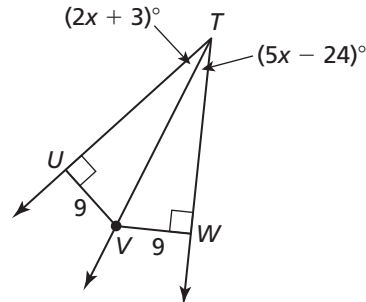
2.



3.

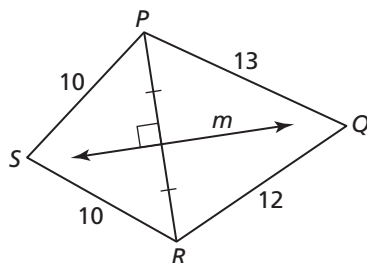


In Exercises 4–6, find the indicated measure. Explain your reasoning.

4. AC

5. $m\angle LNM$

6. $m\angle UTW$


7. Write an equation of the perpendicular bisector of the segment with the endpoints $G(3, 7)$ and $H(-1, -5)$.

8. In the figure, line m is the perpendicular bisector of \overline{PR} . Is point Q on line m ? Is point S on line m ? Explain your reasoning.



9. You are installing a fountain in the triangular garden pond shown in the figure. You want to place the fountain the same distance from each side of the pond. Describe a way to determine the location of the fountain using angle bisectors.

