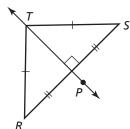
6.2

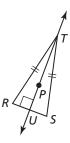
Practice A

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.

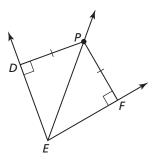
1.



2.



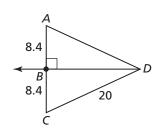
3.



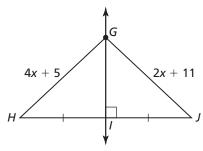
Date__

In Exercises 4-7, find the indicated measure. Explain your reasoning.

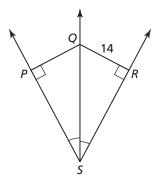
4. *AD*



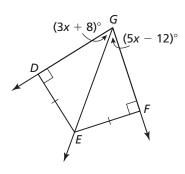
5. *GJ*



6. *PQ*



7. *m*∠*DGF*



- **8.** Write an equation of the perpendicular bisector of the segment with the endpoints A(-2, -2) and B(6, 0).
- **9.** Explain how you can use the perpendicular bisector of a segment to draw an isosceles triangle.
- **10.** In a right triangle, is it possible for the bisector of the right angle to be the same line as the perpendicular bisector of the hypotenuse? Explain your reasoning. Draw a picture to support your answer.