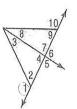
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## 5-2

## **Practice**

## Inequalities and Triangles

Determine which angle has the greatest measure.



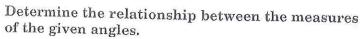
Use the Exterior Angle Inequality Theorem to list all angles that satisfy the stated condition.

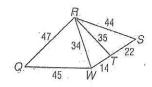
5. all angles whose measures are less than  $m \angle 1$ 

6. all angles whose measures are less than  $m\angle 3$ 

7. all angles whose measures are greater than  $m \angle 7$ 

8. all angles whose measures are greater than  $m\angle 2$ 





Determine the relationship between the lengths of the given sides.

15. 
$$\overline{EG}$$
,  $\overline{FG}$ 

16. 
$$\overline{DE}$$
,  $\overline{EG}$ 

