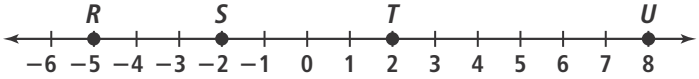
1-1 Additional Practice

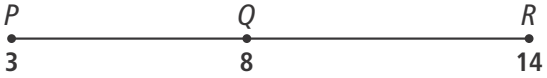
Measuring Segments and Angles

In Exercises 1–4, use the figure shown. Find the length of each segment.



1. $\overline{RS} =$ ☐ **2.** $\overline{RT} =$ ☐ **3.** $\overline{ST} =$ ☐ **4.** $\overline{RU} =$ ☐

For Exercises 5–7, use the figure shown.

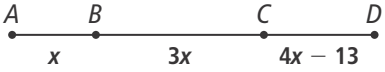


5. What is PQ?

6. What is QR?

7. What is PR?

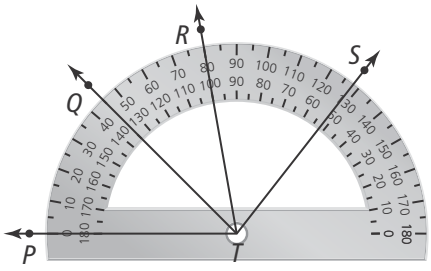
Points *A*, *B*, *C*, and *D* on the figure below are collinear. Use the figure for Exercises 8 and 9.



8. If $AC = 24$, what is AB?

9. If $BC = 15$, what is BD?

Use the figure shown for Exercises 10–13.



10. What is $m\angle PTR$?

11. What is $m\angle PTQ$?

12. What is $m\angle QTS$?

13. Understand Luis said that $m\angle QTR = 80°$. Explain Luis's error.

14. Apply A typical television newscast has three cameras. The center camera directly faces the news anchor's desk. The other two cameras are both angled 45° away from the center camera. Suppose each camera has a field of 60°. What is the total angle covered by the three cameras? Explain your reasoning.