Date	

Reteach LESSON Measuring and Constructing Segments 1-2 The distance between any two points is the length of the segment that connects them. E F G H J 1 2 3 4 5 6 7 centimeters (cm) The distance between E and J is EJ, the length of \overline{EJ} . To find the distance, subtract the numbers corresponding to the points and then take the absolute value. EJ = |7 - 1|= |6| = 6 cm Use the figure above to find each length. 1. EG 2. EF 3. FH



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Refer to triangle ABC above for Exercises 10 and 11.

- **10.** Sketch \overline{LM} that is congruent to \overline{AC} . **11.** Use a ruler to draw \overline{XY} that is congruent to \overline{BC} .
- **12.** Use a compass to construct \overline{ST} that is congruent to \overline{JK} .



The **midpoint** of a segment separates the segment into two congruent segments. In the figure, *P* is the midpoint of \overline{NQ} .

$$\begin{array}{c|c} 3x & 2x+4 \\ \hline N & P & Q \end{array}$$

13. \overline{PQ} is congruent to _____.

- **14.** What is the value of *x*?
- **15.** Find *NP*, *PQ*, and *NQ*.



