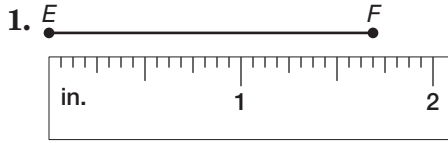## 1-2 Practice

Linear Measure

Find the length of each line segment or object.

1. E •——————————————• F

in.   1   2

2. ☆☆☆☆☆☆

cm 1 2 3 4 5
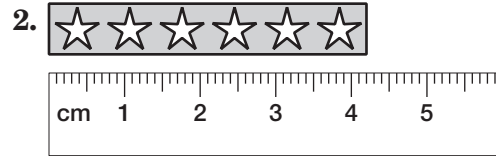
Find the measurement of each segment. Assume that each figure is not drawn to scale.

3. *PS*

18.4 cm   4.7 cm

P   Q   S

4. *AD*

$2\frac{3}{8}$ in. $1\frac{1}{4}$ in.

A   C   D

5. *WX*

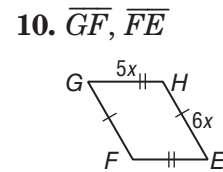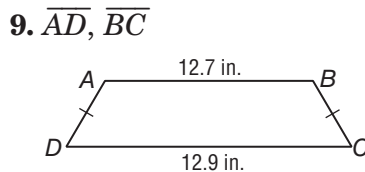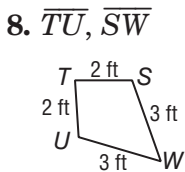W   X   89.6 cm   Y

├———— 100 cm ————┤
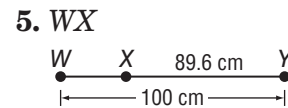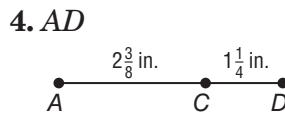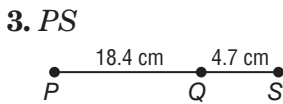
ALGEBRA Find the value of *x* and *KL* if *K* is between *J* and *L*.

6. $JK = 6x$, $KL = 3x$, and $JL = 27$

7. $JK = 2x$, $KL = x + 2$, and $JL = 5x - 10$

Determine whether each pair of segments is congruent.

8. $\overline{TU}, \overline{SW}$

T 2 ft S

2 ft   3 ft

U

3 ft   W

9. $\overline{AD}, \overline{BC}$

12.7 in.

A   B

D   C

12.9 in.

10. $\overline{GF}, \overline{FE}$

5x

G   H

6x

F   E

11. CARPENTRY Jorge used the figure at the right to make a pattern for a mosaic he plans to inlay on a tabletop. Name all of the congruent segments in the figure.

A

F   B

E   C

D

Lesson 1-2