

**LESSON**  
**1-2**

**Practice B**  
**Measuring and Constructing Segments**

Draw your answer in the space provided.

1. Use a compass and straightedge to construct  $\overline{XY}$  congruent to  $\overline{UV}$ .



Find the coordinate of each point.



2.  $D$  \_\_\_\_\_

3.  $C$  \_\_\_\_\_

4.  $E$  \_\_\_\_\_

Find each length.

5.  $BE$  \_\_\_\_\_

6.  $DB$  \_\_\_\_\_

7.  $EC$  \_\_\_\_\_

For Exercises 8–11,  $H$  is between  $I$  and  $J$ .

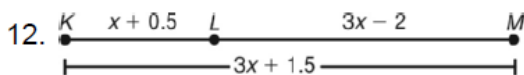
8.  $HI = 3.9$  and  $HJ = 6.2$ . Find  $IJ$ . \_\_\_\_\_

9.  $JI = 25$  and  $IH = 13$ . Find  $HJ$ . \_\_\_\_\_

10.  $H$  is the midpoint of  $\overline{IJ}$ , and  $IH = 0.75$ . Find  $HJ$ . \_\_\_\_\_

11.  $H$  is the midpoint of  $\overline{IJ}$ , and  $IJ = 9.4$ . Find  $IH$ . \_\_\_\_\_

Find the measurements.



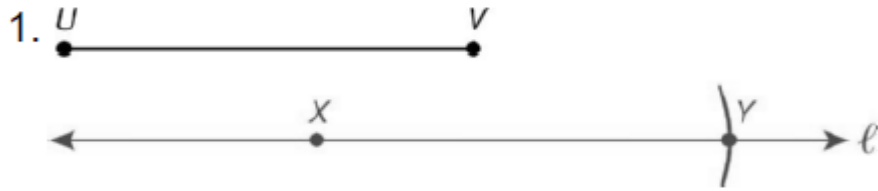
Find  $LM$ . \_\_\_\_\_

13. A pole-vaulter uses a 15-foot-long pole. She grips the pole so that the segment below her left hand is twice the length of the segment above her left hand. Her right hand grips the pole 1.5 feet above her left hand. How far up the pole is her right hand?

\_\_\_\_\_



**Practice B**



- |          |             |
|----------|-------------|
| 2. 0     | 3. 2        |
| 4. -3.5  | 5. 0.5      |
| 6. 4     | 7. 5.5      |
| 8. 10.1  | 9. 12       |
| 10. 0.75 | 11. 4.7     |
| 12. 7    | 13. 11.5 ft |