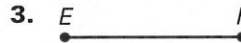
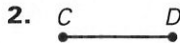


LESSON
1.2

Practice A

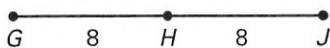
For use with the lesson "Use Segments and Congruence"

Measure the length of the segment to the nearest tenth of a centimeter.



Find the indicated length.

4. Find GJ .



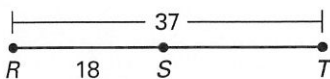
5. Find KM .



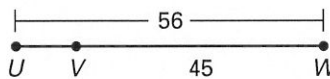
6. Find NQ .



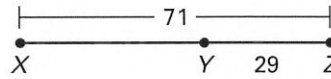
7. Find ST .



8. Find UV .

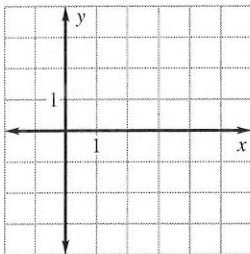


9. Find XY .

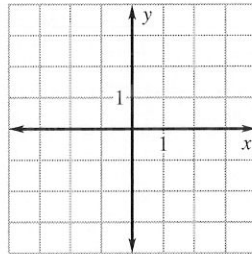


Plot the given points in a coordinate plane. Then determine whether the line segments named are congruent.

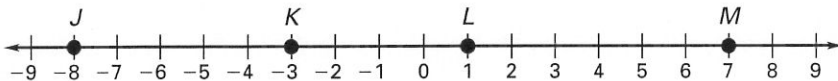
10. $A(2, 2), B(2, -1), C(0, -2), D(3, -2)$;
 \overline{AB} and \overline{CD}



11. $E(-3, 2), F(1, 2), G(2, 3), H(2, -2)$;
 \overline{EF} and \overline{GH}



Use the number line to find the indicated distance.



12. JK

13. KL

14. LM

15. JL

16. JM

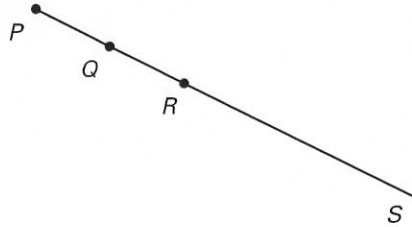
17. KM

LESSON
1.2

Practice A *continued*
For use with the lesson "Use Segments and Congruence"

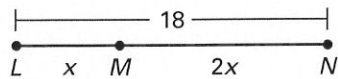
In the diagram, points P , Q , R , and S are collinear, $PS = 46$, $PR = 18$, and $PQ = QR$. Find the indicated length.

- 18. PQ
- 19. QR
- 20. QS
- 21. RS

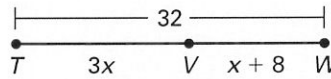


Find the indicated length.

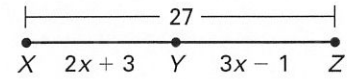
22. Find LM .



23. Find VW .



24. Find YZ .



Point B is between A and C on \overline{AC} . Use the given information to write an equation in terms of x . Solve the equation. Then find AB and BC .

25. $AB = 3x$
 $BC = x$
 $AC = 20$

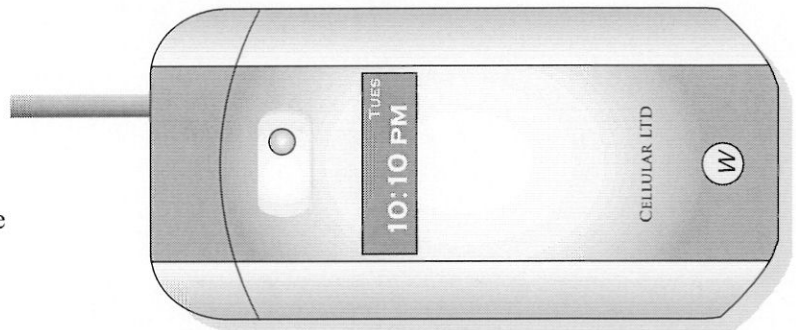
26. $AB = 2x - 5$
 $BC = 6x$
 $AC = 27$

27. $AB = 4x + 7$
 $BC = 5x - 8$
 $AC = 53$

28. **Cellular Phone**

Measure the length of the cellular phone (without the antenna) to the nearest $\frac{1}{8}$ inch.

Then measure the length of the antenna to the nearest $\frac{1}{8}$ inch.



29. **Highway** You are traveling on a highway starting at point A . After you have traveled 63 miles (point B), you see a sign that says it is 87 miles to your destination (point C).

- a. Find the total distance you will travel to get to your destination.
- b. You are traveling at a constant speed of 60 miles per hour. How many hours will the entire trip take?

