

Name _____

Date _____

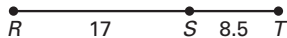
LESSON 1.2 **Practice B**
For use with pages 9–14

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

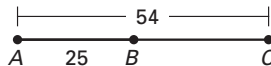


Use the Segment Addition Postulate to find the indicated length.

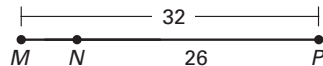
4. Find RT .



5. Find BC .



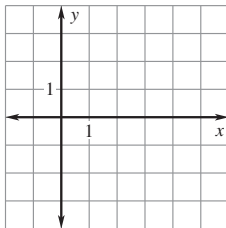
6. Find MN .



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

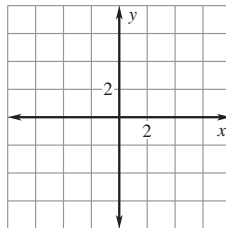
7. $A(2, 2), B(4, 2), C(-1, -1), D(-1, 1)$;

\overline{AB} and \overline{CD}



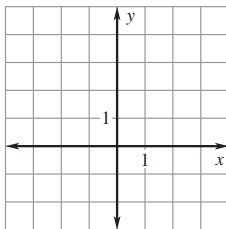
8. $M(1, -3), N(4, -3), O(3, 4), P(4, 4)$;

\overline{MN} and \overline{OP}



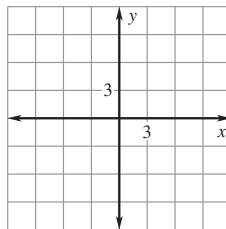
9. $E(-3, 4), F(-1, 4), G(2, 4), H(-1, 1)$;

\overline{EG} and \overline{FH}

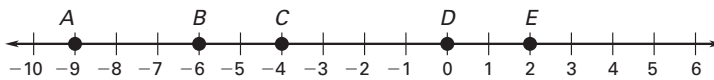


10. $R(3, 5), S(10, 5), T(-4, -3), U(-11, -3)$;

\overline{RS} and \overline{TU}



Use the number line to find the indicated distance.



11. AB

12. AD

13. CD

14. BD

15. CE

16. AE

17. BE

18. DE

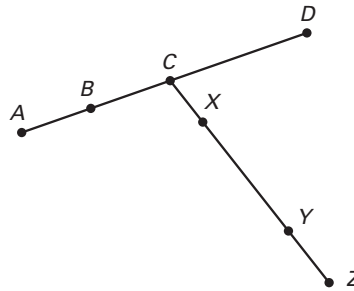
LESSON 1.2

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LESSON 1.2 **Practice B** *continued*
For use with pages 9–14

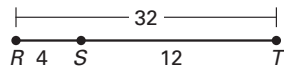
In the diagram, points $A, B, C,$ and D are collinear, points $C, X, Y,$ and Z are collinear, $AB = BC = CX = YZ, AD = 54, XY = 22,$ and $XZ = 33.$ Find the indicated length.

- 19. AB
- 20. BD
- 21. CY
- 22. CD
- 23. XC
- 24. CZ

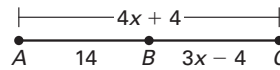


Find the indicated length.

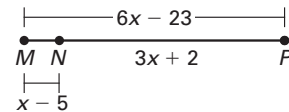
25. Find ST .



26. Find AC .



27. Find NP .



Point J is between H and K on \overline{HK} . Use the given information to write an equation in terms of x . Solve the equation. Then find HJ and JK .

- 28. $HJ = 2x$
 $JK = 3x$
 $KH = 25$
- 29. $HJ = \frac{x}{4}$
 $JK = 3x - 4$
 $KH = 22$
- 30. $HJ = 5x - 4$
 $JK = 8x - 10$
 $KH = 38$
- 31. $HJ = 5x - 3$
 $JK = x - 9$
 $KH = 5x$

32. **Hiking** On the map, \overline{AB} represents a trail that you are hiking. You start from the beginning of the trail and hike for 90 minutes at a rate of 1.4 miles per hour. How much farther do you need to hike to reach the end of the trail?

