Name _____ **Date** _____

LESSON 1.3

Practice C

For use with pages 15–22

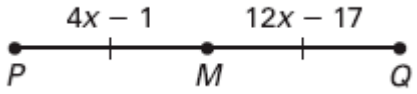
Find the indicated length.

1. Line JK bisects $\overline{LM}$ at point J. Find JM if $LJ = 23$ centimeters.

2. Point R bisects $\overline{ST}$. Find RT if $ST = 16.9$ meters.

In the diagram, M is the midpoint of the segment. Find the indicated length.

3. Find MQ.



4. Find DE.

Find the coordinates of the midpoint of the segment with the given endpoints.

5. $A(6, -3)$ and $B(10, 5)$

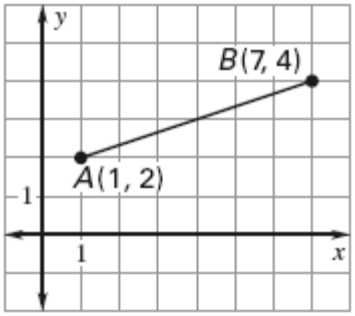
6. $M(14, 7)$ and $N(-9, 1)$

7. $Y(-13, 8)$ and $Z(2, -10)$

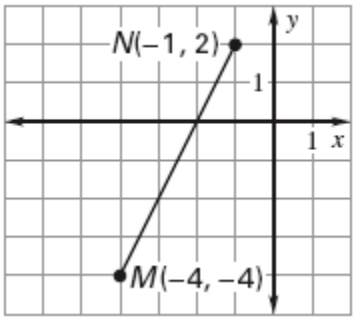
8. $C(-5, -17)$ and $D(-18, 12)$

Find the length of the segment. Round to the nearest tenth of a unit.

9.



10.



Find the length of the segment. Then find the coordinate of the midpoint of the segment.

11.

12.

The endpoints of two segments are given. Find each segment length. Tell whether the segments are congruent.

13. $\overline{AB}$: $A(7,2)$, $B(0, -3)$

$\overline{CD}$: $C(-4, 12)$,$D(-1, 4)$

14. $\overline{OP}$: $O(-6, 12)$, $P(0, 7)$

$\overline{QR}$: $Q(8, -5)$, $R(12, 2)$

In Exercises 26–29, find the distance between the two cities using the information in the table. Each data point is from a coordinate system used for calculating long-distance telephone rates. Round your answer to the nearest whole unit.

Buffalo, NY	(5075, 2326)	Omaha, NE	(6687, 4595)
Chicago, IL	(5986, 3426)	Providence, RI	(4550, 1219)
Dallas, TX	(8436,4034)	San Diego, CA	(9468, 7629)
Miami, FL	(8351,527)	Seattle, WA	(6336, 8896)

15. Buffalo and Miami

16. Chicago and San Diego

17. Dallas and Seattle

18. Omaha and Providence