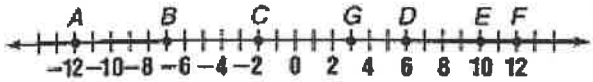
Name _____ Date _____

Midpoints

Use the number line to determine the coordinates of the midpoint for each segment.



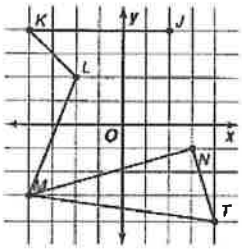
1. $\overline{DE}$
2. $\overline{BD}$
3. $\overline{AC}$
4. $\overline{BF}$
5. $\overline{CF}$

W, R, and S are points on the number line, where W is the midpoint of $\overline{RS}$. Using the values given, determine the value of the third point.

6. R = 4, S = -6
7. R = 12, W = -3
8. W = -4, S = 2
9. S = 11, R = -2

Use the coordinate plane on the right to determine the coordinates of the midpoint for each segment.

10. $\overline{KJ}$
11. $\overline{ML}$
12. $\overline{MT}$



Given the endpoints of each segment, determine the coordinates of the midpoint of the segment.

13. A(4, 8) B(10, 14)
14. C(-5, 14) D(7, -3)
15. E(-5, -9) F(6, 2)
16. G(12, -5) H(-7, 9)

M is the midpoint of $\overline{KL}$. Given one endpoint and the midpoint, determine the coordinates of the other endpoint.

17. K(2, 6) M(8, 6)
18. L(-5, 8) M(3, 4)
19. M(4, -1) K(0, 3)
20. M(-6, -1) L(-2, -5)