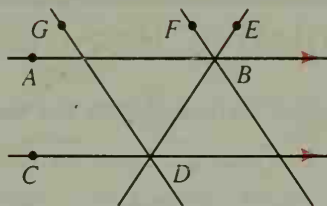


13. Given: $\overleftrightarrow{AB} \parallel \overleftrightarrow{CD}$; \overleftrightarrow{BF} bisects $\angle ABE$;
 \overleftrightarrow{DG} bisects $\angle CDB$.
 Prove: $\overleftrightarrow{BF} \parallel \overleftrightarrow{DG}$
14. Predict the next two numbers in the sequence 7, 9, 11, 13,



Algebra Review: The Coordinate Plane

- What is the x -coordinate of point P ?
- What is the y -coordinate of point P ?
- What are the coordinates of the origin, point O ?
- Name the graph of the ordered pair $(0, -2)$.

Name the coordinates of each point.

5. M 6. N 7. K 8. R 9. S
 10. T 11. U 12. V 13. W 14. Q

- Name all the points shown that lie on the x -axis.
- Name all the points shown that lie on the y -axis.
- What is the x -coordinate of every point that lies on a vertical line through P ?

18. Which of the following points lie on a horizontal line through W ?

- a. $(-2, 1)$ b. $(2, 3)$ c. $(1, -3)$ d. $(-2, 0)$ e. $(0, -3)$ f. $(2, 0)$

Name all the points shown that lie in the quadrant indicated. (A point on an axis is not in any quadrant.)

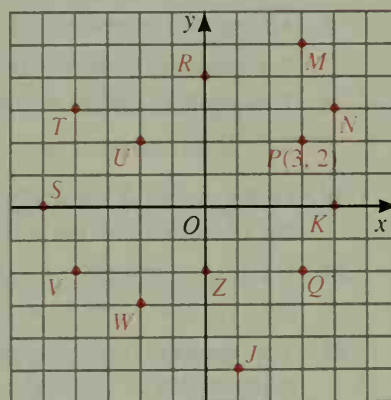
19. Quadrant I 20. Quadrant II 21. Quadrant III 22. Quadrant IV

Plot each point on graph paper.

23. $O(0, 0)$ 24. $A(2, 1)$ 25. $B(3, 4)$ 26. $C(5, 0)$
 27. $D(0, 3)$ 28. $E(-3, 1)$ 29. $F(-2, -1)$ 30. $G(1, -2)$
 31. $H(0, -4)$ 32. $I(-4, 0)$ 33. $J(4, -2)$ 34. $K(-4, -3)$

Find the coordinates of the midpoint of \overline{AB} . (You may want to draw a diagram.)

35. $A(0, 1), B(4, 1)$ 36. $A(2, 0), B(2, 10)$ 37. $A(0, 1), B(0, 5)$
 38. $A(-3, 4), B(-3, -4)$ 39. $A(-5, -2), B(-3, -2)$ 40. $A(4, -1), B(-2, -1)$



Exs. 1-22