School786
AN ONLINE SCHOOL

Name: Due Date: Teacher: Parent Sign:

1. Which quadrant is the point (4, 5) in?

2. Which quadrant is the point (-3, 6) in?

3. Which quadrant is the point (-2, -7) in?

4. Which quadrant is the point (8, -1) in?

5. What is the coordinate of a point 3 units right and 2 units up from the origin?

6. What is the coordinate of a point 5 units left and 4 units up from the origin?

7. What is the coordinate of a point 1 unit right and 6 units down from the origin?

8. What is the coordinate of a point 7 units left and 3 units down from the origin?

9. A point lies on the x-axis at x = 6. What is its ordered pair?

10. A point lies on the y-axis at y = -4. What is its ordered pair?

11. Plotting description: Start at the origin. Move 4 units left, then 3 up. What are the coordinates of the point you plotted?

12. Plotting description: From origin go 0 units horizontally and 5 units up. What are the coordinates?

13. If a point is at (-5, 0), is it on an axis or in a quadrant? Which axis?

14. Identify the quadrant (or axis) for the point (0, 0).

15. Which quadrant contains points with both coordinates positive?

16. Which quadrant contains points with x negative and y positive?

17. Which quadrant contains points with both coordinates negative?

18. Which quadrant contains points with x positive and y negative?

19. The point A is at (2, -3). Name its quadrant.

20. The point B is at (-1, 4). Name its quadrant.

21. A treasure map uses a coordinate plane. The treasure is at (6, -2). Which quadrant should the students search?

22. A drone starts at (0,0). It flies 3 units left and 5 units up. What are its coordinates now?

23. A robot moves to (-4, -3). From there it moves 4 units right and 3 units up. What point does it reach?

24. A bird is at (-2, 3). It flies 5 units to the right. What are its new coordinates?

25. A submarine is at (3, -6). It moves 3 units left and 6 units up. What point does it reach?

26. A point is described as 2 units to the right of the y-axis and 7 units below the x-axis. What are its coordinates?

27. If a point has coordinates (x, y) = (-8, 0), what does this tell you about its position?

28. Which quadrant would the point (10, 0) be in, or is it on an axis?

29. A point is 0 units from the origin on the x-direction and 0 on the y-direction. What point is this?

30. Give a coordinate for a point on the negative x-axis.

31. Three vertices of a rectangle are A(2, 3), B(2, -1), and C(-4, 3). Find the coordinates of the fourth vertex D.

32. The vertices of a rectangle are at (1, 2), (1, -4), (5, -4). What is the fourth vertex?

33. Three corners of a square are (2,2), (2,-2), and (-2,2). What is the missing corner?

34. The points (3,1), (3,-5), and (-1,1) are three corners of a rectangle. Find the fourth corner.

35. A triangle has vertices at (-2, 4), (1, 4), and (1, 0). What is the x-coordinate of the base's midpoint? What are the coordinates of the midpoint of the base?

36. A point P is at (a, b). If P is reflected across the y-axis, the new point is (-a, b). If P is (4, -3), what is its reflection across the y-axis?

37. Reflect the point (-6, 2) across the x-axis. What are the new coordinates?

38. Reflect the point (5, 0) across the y-axis. What are the coordinates after reflection?

39. A point moves from (-3, -2) to (2, -2). By how many units and in which direction did it move?

40. A rectangle's opposite corners are at (-3, 4) and (5, -2). What are the coordinates of the other two corners?

41. List which quadrant each of these points belongs to: (7, 8); (-7, 8); (-7, -8); (7, -8).

42. Given the points P(2,3), Q(-2,3), R(-2,-3), S(2,-3), which point is in Quadrant IV?

43. Which of these points lies on the y-axis: (0, 5), (5, 0), (0, -3), (-3, 0)? Name all that apply.

44. How many of the following points lie in Quadrant II: (-1, 4), (-3, 0), (-5, 5), (2, 6), (0, 3)?

45. A point is 4 units left and 4 units up from the origin. What is the point? Which quadrant is it in?

46. A point is 9 units right and 9 units down from the origin. What is the point? Which quadrant is it in?

47. A school map uses coordinates. The cafeteria is at (-3, 2) and the library is at (-3, -4). Which direction and how many units would you walk from the cafeteria to get to the library?

48. You plot five points: (1,1), (-1,1), (-1,-1), (1,-1), (0,2). Which points lie on the axes?

49. A point is equidistant from both axes and is in Quadrant I. Give two possible coordinates for such a point using whole numbers.

50. Which quadrant has points with x negative and y negative? Give an example ordered pair in that quadrant.