Name: Due Date: Teacher: Parent Sign:

Questions

1. What is $|7|$?

2. What is $|-9|$?

3. What is $|0|$?

4. What is $|3 - 8|$?

5. What is $|-4 + 1|$?

6. Find the distance between 2 and -5.

7. Find the distance between -3 and 4.

8. Find the distance between -6 and -1.

9. Find the distance between 0 and -8.

10. What is $|x|$ when $x = -12$?

11. What is $|x - 3|$ when $x = 8$?

12. What is $|x + 2|$ when $x = -7$?

13. Solve $|x| = 6$.

14. Solve $|x - 4| = 2$.

15. Solve $|x + 3| = 4$.

16. Find all numbers that are 3 units from 0.

17. Find all numbers that are 5 units from 2.

18. Find all numbers that are 4 units from -1.

19. Which number is closer to 0: 9 or -4?

20. Which number is farther from 0: -10 or 6?

21. Find the distance between 7 and 3.

22. Find the distance between -2 and -7.

23. If A is at -4 and B is at 1 on a number line, what is $|A - B|$?

24. If a point is 6 units from -2, what possible coordinates could it have?

25. Solve $|x - 0| = 9$.

26. Evaluate $|5 - 9|$.

27. Evaluate $|-15| - |6|$.

28. True or False: $|a - b| = |b - a|$.

29. What is the absolute difference between -8 and 2?

30. How far is -3 from 3?

31. What is $|-1 - 4|$?

32. Solve $|x - 5| = 0$.

33. Find all x with distance 2 from 1.

34. Is 6 within 4 units of 2?

35. If point P is at 10 and Q is at -3, what is $|P - Q|$?

36. Find x if $|x| = 0$.

37. Find x if $|x + 5| = 5$.

38. Which is closer to 2: -1 or 6?

39. The distance between 4 and -4 is?

40. If $|x - 2| = 3$, list the solutions.

41. Find the distance between -12 and -3.

42. If a number is 8 units from 5, what possible numbers could it be?

43. Evaluate $|-4| + |3|$.

44. Evaluate $|-2 - (-6)|$.

45. Find all numbers that are 0 units from 7.

46. Which of these is 5 units from -2: 3, -7, or 2? (Pick all that apply.)

47. Solve $|x - 1| = 1$.

48. Evaluate $|-9 + 4|$.

49. A number is 4 units from -6. Give the two possibilities.

50. Are the numbers 1 and -1 the same distance from 0? (Yes or No)