Name: Due Date: Teacher: Parent Sign:

Questions

1. In the expression 4x + 7, what is the variable?

2. In 4x + 7, what is the coefficient of x?

3. In 4x + 7, what is the constant term?

4. Name the terms in the expression 3x + 5.

5. Write an expression for "the sum of a number n and 8."

6. Evaluate 2x + 3 when x = 4.

7. Evaluate 5y - 2 when y = 3.

8. Evaluate 4a when a = 6.

9. Evaluate m ÷ 3 when m = 9.

10. Evaluate 7 + t when t = 0.

11. Evaluate 3x + 4 when x = 2.

12. Evaluate 6 - 2b when b = 1.

13. Evaluate 2(x + 3) when x = 2.

14. Evaluate 10 - 3y when y = 3.

15. Evaluate 8p + 0 when p = 5.

16. Solve x + 5 = 12.

17. Solve 9 = y - 4.

18. Solve 3x = 15.

19. Solve z ÷ 4 = 3.

20. Solve 7 + a = 10.

21. Solve b - 6 = 2.

22. Solve 5c = 25.

23. Solve d ÷ 3 = 6.

24. Solve 0 + x = 9.

25. Solve 6 + m = 6.

26. Is x = 3 a solution to x + 4 = 7? (Yes or No)

27. Is y = 2 a solution to 3y = 9? (Yes or No)

28. Is z = 8 a solution to z ÷ 2 = 4? (Yes or No)

29. Is a = 5 a solution to a - 3 = 1? (Yes or No)

30. Is b = 0 a solution to 5b = 0? (Yes or No)

31. Is x = 4 a solution to 2x + 1 = 9? (Yes or No)

32. Is y = 6 a solution to y ÷ 3 = 2? (Yes or No)

33. Is n = 7 a solution to n + 2 = 10? (Yes or No)

34. Is p = 1 a solution to 4p = 4? (Yes or No)

35. Is q = 2 a solution to q - 5 = -3? (Yes or No)

36. Write an expression for "six more than twice a number x."

37. Evaluate 2x + 6 when x = 3.

38. Write an equation for "a number n decreased by 7 equals 10."

39. Solve the equation from question 38.

40. Write an equation for "three times a number t is 21."

41. Solve the equation from question 40.

42. Evaluate 5(x - 2) when x = 4.

43. Is x = 2 a solution to 5(x - 2) = 10? (Yes or No)

44. Evaluate 3a + 0 when a = 4.

45. In 4 + x, is 4 a variable or a constant?

46. Solve 15 = x + 5.

47. Solve 4x = 20.

48. If x = 0, evaluate 7x + 3.

49. Is x = 5 a solution to x ÷ 5 = 1? (Yes or No)

50. Write an expression for "the product of 4 and a number m."