

Name: _____

Review Worksheet, Lessons 1-7

Use words from the box to write 5 situations. Next, write the integer to match the situation.

Example:

Situation: the temperature dropped 15 degrees

Integer: -15°

deposit	withdrawal	dropped	raised
decreased	descend	ascend	loss
above	below	increased	gain

1.

2.

3.

4.

5.

Write definitions for each of the following words.

6. whole numbers

7. integers

8. positive numbers

9. negative numbers

10. opposite number

11. absolute value

Evaluate each expression by using addition, subtraction, multiplication, or division.

12. $4 + 5$ _____

20. 3×7 _____

13. $-4 + 5$ _____

21. -3×7 _____

14. $4 + -5$ _____

22. 3×-7 _____

15. $-4 + -5$ _____

23. -3×-7 _____

16. $10 - 6$ _____

24. $12 \div 2$ _____

17. $10 - -6$ _____

25. $-12 \div 2$ _____

18. $-10 - 6$ _____

26. $12 \div -2$ _____

19. $-10 - -6$ _____

27. $-12 \div -2$ _____

Solve each equation. Show your work. Check your answer

28. $x + 3 = 5$

36. $4k = 8$

29. $x + -3 = 5$

37. $-4k = 8$

30. $x + 3 = -5$

38. $4k = -8$

31. $x + -3 = -5$

39. $-4k = -8$

32. $y - 2 = 6$

40. $x \div 7 = 3$

33. $y - -2 = 6$

41. $x \div -7 = 3$

34. $y - 2 = -6$

42. $x \div 7 = -3$

35. $y - -2 = -6$

43. $x \div -7 = -3$

Simplify the following expressions using order of operations.

44. $-6 + 2 \times -5$

45. $-5 - 15 \div -3$

46. $-4^2 + 5 - 2 \times 3 - (-2)$

Simplify the following expressions for $x = -2$, $y = -3$, and $z = 2$

47. $-2x + 3y \div -3 + -z + y^2$

48. $3x + 2y \div -z + -x + -y$