

1. Simplify: $25 - 10 \div 5$

2. Simplify: $8 \div 4 \bullet 2 - 2 + 1$

3. Simplify: $2^2 - 2 \bullet (12 \div 6)$

4. Simplify: $15 - 5 \div 5 \bullet 2 + 3^2$

5a. $\frac{0}{5} =$

5b. $\frac{7}{0} =$

5c. $\frac{12}{12} =$

6. Fill in the blank with $<$ or $>$ to make a true statement. $-9 \underline{\hspace{1cm}} -2$

7. Fill in the blank with $<$ or $>$ to make a true statement. $0 \underline{\hspace{1cm}} -5$

8. Simplify: $-6 + 2 - 3 =$

9. Simplify: $5 - 1 - 6 + 11 - 4 =$

10. Simplify: $3 - (-5) + (-1) =$

11. Multiply: $(-3)(-4) =$

12. Multiply: $(-8)(3) =$

13. Divide: $\frac{-15}{3} =$

14. Divide: $\frac{-20}{-10} =$

15. Simplify: $-48 \div 12 \bullet (-2) + 1$

16. Simplify: $-7 + (1 - 5)^2 \div 4$

17. Simplify: $\frac{8 + (-2)^2}{-5 - (-1)}$

18. Evaluate: $-3xy$ for $x = -5, y = -2$

19. Evaluate: $a - b + 3c$ for $a = -7, b = -2, c = 4$

20. Apply the distributive property: $-3(x - 5)$

21. Apply the distributive property: $-(4x + 9 - 5y)$

Apply the distributive property and combine like terms for #22 & #23:

22. $12 + 4(x - 8)$

23. $3(x + 3) - (4x + y) - 3y$

Solve for x in # 24 – 34.

24. $x + 7 = 14$

25. $-7x = 14$

26. $-3x = -24$

27. $6x = -24$

28. $\frac{x}{3} = 9$

29. $3x - 2 = 16$

30. $9 = 12x - 15$

31. $8 - 4x = 2 + 2x$

32. $4 + 2x - 7 = 3x + x + 3$

33. $3x - 4(x - 1) = 16$

34. $6(x - 1) + 5x + 1 = 5(x + 6) - x$

35. Combine like terms: $5x^2y^4 - x^2y^2 - 3x^2y^4 + 8x^2y^2$