

Simplify all answers and show your work!

1. Multiplying a negative number by negative number results in a _____ number.

2. Multiplication is a shortcut for _____.

Simplify.

3. $-(-3)$

4. $|-9|$

5. $-|12|$

6. $-3 + 8$

7. $7 - 15$

8. $-42 - 37$

9. $(5)(-3)$

10. $(-9)(-4)$

11. $\frac{-12}{-6}$

12. $(-2)(-5)(-3)(2)$

13. $\frac{24}{-4} + (5)(-7)$

14. $3^2 - 5^2 \cdot 2$

15. $-5 - (-7) + 12 - 8$

Write $<$ or $>$ to make a true statement:

16. -3 _____ -8

17. 4 _____ -6

18. Evaluate $2x + 3y$, when $x = 1$ and $y = 2$.

19. Evaluate $L \cdot W$ when $L = -2$ and $W = 5$.

Translate into an algebraic expression:

20. Five **less** than three times a number.

21. Six more than a number.

22. Multiply: $4(x - 5)$

23. Multiply: $12(2x + 3)$

24. Combine like terms: $2a + 4b + 6a - 3b$

25. Distribute (multiply): $-(3x + 4y - 9)$

26. Factor: $8x - 6y + 12z$

27. Simplify: $(-6a - b) - 5(2b + a)$

28. Simplify: $8[(6 - 13) - 11]$