

Algebra I
Order of Operations

1. Write out the order in which you should perform mathematical operations.

First _____
Second _____
Third _____
Last _____

Evaluate each expression, writing out each step to show correct order of operations. (Do not do these on the calculator)

2. $2 + 3 \cdot 4 - 6$ 3. $45 - 3(12 + 1) + 4 \div 2$ 4. $\frac{4(3-1)}{2^3-5 \cdot 2}$

Use your calculator to evaluate each expression. Show as much work as you need to in order to get the correct answer.

5. $[2 - (4 + 2) \div (5 - 2)] \div (-2)$ 6. $\frac{(3^3-6) \div \sqrt{49}}{(54-6) \cdot 4}$

Circle the mistake(s) in each problem, then show the correct work beside the problem.

7. $2(3 - 5) + 3^2$

$2(-2) + 6$

$0 - 6$

-6

8. $3[4 + \frac{3(5-1)}{6}]$

$12 + \frac{3(4)}{6}$

$\frac{15(4)}{6}$

$\frac{60}{6}$

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