Order of Operations

Order of operations is a set of rules used to ensure you get the correct answer every time you solve a math problem. If there is more than one operation of the same family (multiplication/division) or (addition/subtraction), solve in order from left to right.

Please

note:
[],||,()
are grouping
symbols

Excuse

$$\sqrt{[4]^2 + (-4)(-3) \div 3}$$

$$= \sqrt{16 + (-4)(-3) \div 3}$$

My

$$\sqrt{16 + (-4)(-3) \div 3}$$

$$= \sqrt{16 + 12 \div 3}$$

Dear

$$\sqrt{16 + 12 \div 3}$$

$$= \sqrt{16 + 4}$$

Aunt

$$\sqrt{16 + 4} = \sqrt{20} = 2\sqrt{5}$$

 $\sqrt{4 \cdot 5}$ $= (4 \cdot 5)^{1/2}$ $= 4^{1/2} \cdot 5^{1/2}$ $= \sqrt{4} \cdot \sqrt{5}$

 $2\sqrt{5}$

simplification:

Subtraction

$$2\sqrt{5}$$

Final Answer:

There is no subraction step for this problem

vll