

ORDER OF OPERATIONS

PEMDAS Please excuse my dear aunt Sally.

FIRST: **P**arentheses ()

NEXT: **E**xponents $2^4 = 2 \times 2 \times 2 \times 2$

THEN: **M**ultiply or **D**ivide \times or $/$
work left to right

LAST: **A**dd or **S**ubtract $+$ or $-$
work left to right

Example: $37 - 20 / 4 + 4 - (9 + 2) + 2^4$

parentheses first

exponents next

then divide or multiply

only add and subtract remain
(work from left to right until
only one number is left)

$$37 - 20 / 4 + 4 - 11 + 2^4$$

$$37 - 20 / 4 + 4 - 11 + 16$$

$$37 - 5 + 4 - 11 + 16$$

$$32 + 4 - 11 + 16$$

$$36 - 11 + 16$$

$$25 + 16$$

41

Attachments

GraphingCoordinatePlaneQuad1.png