

No Calc

$$3 + 6 \cdot 4 - (8 + 4) \cdot 2^2$$

$$3 + 6 \cdot 4 - 12 \cdot 4$$

$$3 + 24 - 48$$

$$-21$$

PEMDAS

Topic #1) Square Roots + Scientific Notation

Perfect Squares...

1, 4, 9, 16, 25, 36, 49, 64, 81, 100

Square Roots

$$\sqrt{x^2} = x$$

$$\sqrt{a \cdot b} = \sqrt{a} \cdot \sqrt{b}$$

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

Scientific Notation

- short hand for long #'s

$$\boxed{n} \times 10^{\square}$$

$1 \leq n < 10$ # of decimal places
 positive \Rightarrow move to rt
 negative \Rightarrow move to lt

Add

write them
out and
add

Subtract

write out
and subtract

Mult.

1) mult. #'s
2) add exp.

Divide

1) divide #'s
2) subtract