

## GEMDAS

Order of Algebraic Operations

## E E F Q

1) Perform operations w/i grouping symbols from innermost  $\rightarrow$  outward

|             |          |         |                |                       |                |
|-------------|----------|---------|----------------|-----------------------|----------------|
| $( )$       | $[ ]$    | $\{ \}$ | $  $           | $\frac{\quad}{\quad}$ | $\sqrt{\quad}$ |
| Parentheses | Brackets | Braces  | Absolute Value | Fraction Bar          | Radical        |

2) Perform all operations with exponents

3) Perform all mult & div from left to right

(properties)  
 $\rightarrow$  Assoc. com. Dist

4) Perform all add & sub from left to right

(properties)

Ex:  $(8 \cdot 7 + 12) + (3^2 \cdot 2 - 2 \cdot 4 + \{7-2\}^2)$

$$\begin{aligned}
 &(56+12) + (9 \cdot 2 - 2 \cdot 4 + 25) \\
 &68 + (18 - 8 + 25) \\
 &68 + 35 \\
 &\textcircled{103}
 \end{aligned}$$