







ORDER OF OPERATIONS  
"Please excuse my dear  
aunt Sally."  
PEMDAS addition/subtraction  
parantheses multiplication/division  
(a) Examples:  

$$8 \cdot 3^2 - 4(12+3) = 8 \cdot 3^2 - 4(15)$$
  
 $= 8 \cdot 9 - 4(15) = 72 - 60$   
 $= 12$   
 $2(6) + 12 + 3(2) - 7$   
 $= 12 + 4(2) - 7$   
 $= 12 + 8 - 7 = 20 - 7 = 13$   
 $3 + 2 * 5 - 2^3 = 3 + 2 \cdot 5 - 8$   
 $= 3 + 10 - 8$   
 $= 13 - 8 = 5$ 

