CP Algebra 2 **Name:** _____
Order of Operations

1.)

2.)

3.)

4.)

5.)

6.)

[EX 1] $-6^2 \div 4 \cdot 3 - 2$

[EX 2] $60 \div (3 + 3^2) \cdot (-2)^2 - 1$

[EX 3] $\dfrac{8 \cdot 6 \div 2 \cdot 3 + 4}{\sqrt{25^2 - 7^2}}$

[EX 4] $\left[2^{-4} \cdot \left(\dfrac{24 \div 6 \cdot 2 - 3^2}{5} - 3 \right)^2 - 1 \right]$

Evaluating Expressions

In **[EX5]** and **[EX6]**, use $a=5\,;\,b=-2\,;\,c=-4\,;\,d=6$.

[EX 5] $\dfrac{[(a^2-b^2)\div(c+d)]^2-1}{bc-2}$

[EX 6] $b^c\cdot acd^2-ac\div bd$

In **[EX7]** and **[EX8]**, use $w=8\,;\,x=3\,;\,y=-1\,;\,z=-12$.

[EX 7] $\dfrac{-z^x+xw\div z+5}{\sqrt{\dfrac{wxz}{-2}}}$

[EX 8] $\left[\left(\dfrac{w-xz+4x^2}{x^2+y}\right)^{-1}+2\right]^2$