Order of Operations Practice

These are for you to practice as much as you need. You do NOT have to do them all, and if you need more practice, just ask for some more.

Evaluate each expression.

1) $3(4+2\times 3)$

2) $-\left(\frac{-12}{6}\div -2-2\right)$

3) $3+4\times 2-9$

4) $\frac{3-7}{2(4+1)}$

5) $1-5^2+4(2-4)$

6) $(9+2)-3(6+3)$

7) $5^2-1\times 3^2+2$

8) $2\times 8-4\times 7$

9) $4\times(3-2)\times 5$

10) $(4-8)\times 3$

11) $5+5\times 10\div 2$

12) $6-15\div 3$

13) $-4\left[3(4+7\times 1)-12\div 6\right]$

14) $-2(3\times 4+1)$

15) $(9+4)-2(9+9)$

16) $7^2-2\times 3^2+21$

17) $3\times 8-5\times 7$

18) $2\times(3-6)\times 4$

19) $(4-9)\times 2$

20) $9+3\times 12\div 2$

21) $6-21\div 3$

22) $-\frac{(-2)(4)}{-8}$

23) $(3^3-2)+6-2(-2)$

24) $17-2\times 3-14$

25) $\frac{3-\sqrt{(3)^2-4(5)(-1)}}{2(5)}$

26) $\frac{2(1+7\times 4)-63\div 3}{7-12}$

Self -Check:

Evaluate.

1) $2+5\times 2-9$

2) $4-6^2+2(3-4)$

3) $-4(5+4\cdot 3)$

What are the four main hierarchies for the order of operations, and why are they in this order?

You can check your work in the Answer Keys binder.