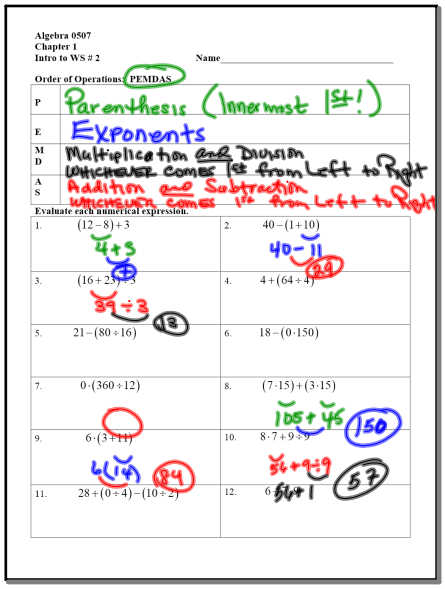


Algebra 0507
Chapter 1
Intro to WS # 2

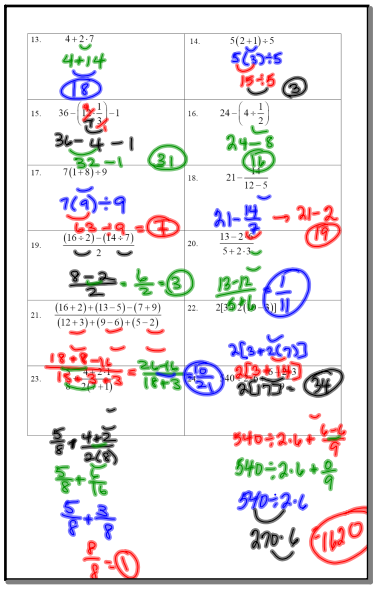
Name _____

Order of Operations: PEMDAS

P	Parenthesis (Innermost 1st!)
E	Exponents
M D	Multiplication and Division whichever comes 1st from Left to Right
A S	Addition and Subtraction whichever comes 1st from Left to Right

Evaluate each numerical expression.

1. $(12-8)+3$ — 4+3 = 7
2. $40-(1+10)$ — 40−11 = 29
3. $(16+23)\div 3$ — 39÷3 = 13
4. $4+(64\div 4)$
5. $21-(80\div 16)$
6. $18-(0\cdot 150)$
7. $0\cdot(360\div 12)$ — 0
8. $(7\cdot 15)+(3\cdot 15)$ — 105+45 = 150
9. $6\cdot(3+11)$ — 6(14) = 84
10. $8\cdot 7+9\div 9$ — 56+9÷9 = 57
11. $28+(0\div 4)-(10\div 2)$
12. $6\cdot 5\div 1$



13. $4+2\cdot 7$ — 4+14 = 18
14. $5(2+1)\div 5$ — 5(3)÷5 = 15÷5 = 3
15. $36-\left(\frac{3}{4}\cdot\frac{1}{3}\right)-1$ — 36−4−1 = 32−1 = 31
16. $24-\left(4+\frac{1}{2}\right)$ — 24−8 = 16
17. $7(1+8)\div 9$ — 7(9)÷9 = 63÷9 = 7
18. $21-\frac{12}{12-5}$ — 21−12/3 → 21−2 = 19
19. $\frac{(16\div 2)-(14\div 7)}{2}$ — 8−2/2 · 1/2 · 3 = 3
20. $\frac{13-2\cdot 6}{5+2\cdot 3}$ — 13−12/5+6 = 1/11
21. $\frac{(16+2)+(13-5)-(7+9)}{(12+3)+(9-6)+(5-2)}$ — 18+8−16/15+3+3 = 10/21
22. $2[3+2(7)]$ — 2[3+14] = 2[17] = 34
23. $\frac{5}{8}+\frac{4+2}{2(8)}$ — 5/8+6/16 = 5/8+3/8 = 8/8 = 1

540÷2.6+6/9 = 540÷2.6+2/3 = 540÷2.6 = 270·6 = 1620