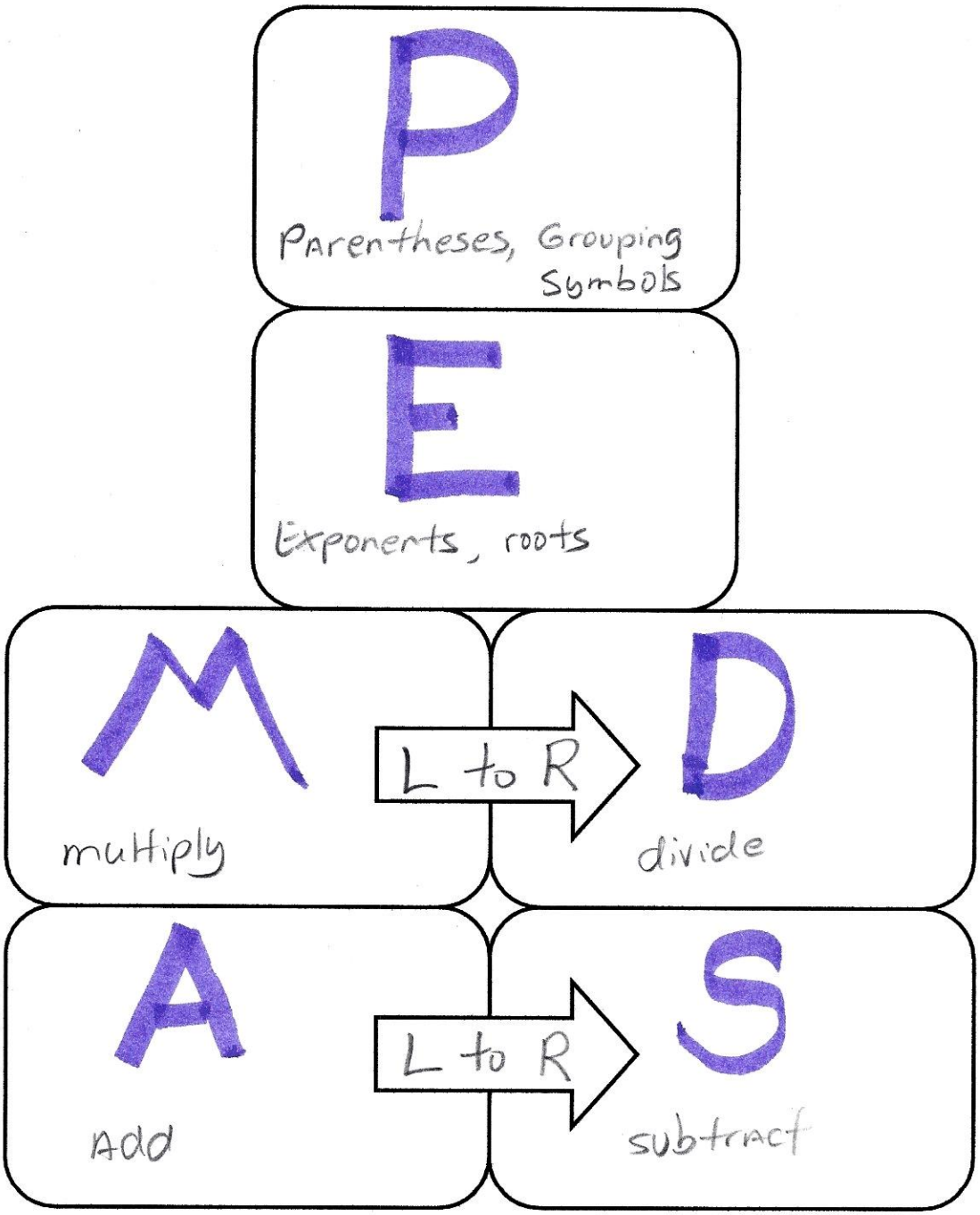
EXPRESSION:

1. no equal sign
2. Simplify - using order of operations (PEMDAS)

Order of Operations: tells what order to simplify and combine like terms

What are like terms? same variable (letter) and same exponent (power)



EXAMPLES: ADD or SUBTRACT the integers.

1. $3 + 4 =$ 7
2. $(-1) + (-16) =$ -17
3. $(-6) + 12 =$ 6
4. $7 + (-12) =$ -5
5. $11 - 7 =$ 4
6. $4 - 9 =$ -5
7. $(-1) - 10 =$ -11
8. $3 - (-3) =$ 6
   3+3
9. $(-1) - (-3) =$ 2
   -1 +3
10. $(-8) - (-6) =$ -2
    -8 +6

EXAMPLES: MULTIPLY or DIVIDE the integers.

11. $-8 \cdot -3 =$ 24
12. $4 \cdot 9 =$ 36
13. $(-11)(12) =$ -132
14. $(-2)(14) =$ -28
15. $35 \div 5 =$ 7
16. $-24 \div 8 =$ -3
17. $\frac{49}{7} =$ 7
18. $\frac{-75}{-15} =$ 5
19. $\frac{-144}{12} =$ -12
20. $\frac{28}{-4} =$ -7

EXAMPLES: Perform the indicated operation using order of operations.

1. $-6 + [\,5 - (3 + 2)\,]$

$-6+[5-(5)]$

$-6+[0]$

$=-6$

2. $-8\,[\,4 + (7 - 8)\,]$

$-8[4+(-1)]$

$-8[3]$

$=-24$

3. $-4 - 3(-2) + 5^2$

$-4-3(-2)+25$

$-4+6+25$

$=27$

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

$(3)(-9+2)$

$(3)(-7)$

$=-21$

5. $\dfrac{(-8+6)\cdot(-5)}{-5-5}$

$\dfrac{(-2)\cdot(-5)}{-5-5}=\dfrac{10}{-10}$

$=-1$

6. $\dfrac{2(-5)+(-3)(-2^3)}{-3^2+9}$

$\dfrac{2(-5)+(-3)(-8)}{-9+9}$

$\dfrac{-10+24}{0}=\dfrac{14}{0}$

undefined