

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Homework sheet: Alg2H

PEMDAS : (page 41)

1. Board examples:

2. (Book1 19\*\*) Compute each of the following. For some of these, there are two ways to compute the result. Explain.

a.  $3(2 + 3 + 5)$

b.  $\frac{1}{3}(9+6-3)$

c.  $(9+6-3)\div 3$

d.  $3(2 \cdot 3 \cdot 5)$

e.  $3\div(9+6-3)$

3. (Book1 8\*\*) Kelly telephoned Brook about a homework problem. Kelly said, "Four plus three times two is 14, isn't it?" Brook replied, "No, it's 10." Did someone make a mistake? Can you explain where these two answers came from?

4. Solve (problems are based on [www.chilimath.com](http://www.chilimath.com)):

a.  $2^4 - 5(10 - 4^2 \div 2) + (30 - 3^3)$

b.  $(32 - 3^3 \div 9 \times 10)^5 - 4^2 \div 8 + 3^2$

c.  $(-3 - 16 \div 2^4 - 1)^2 - 1(-8 \div 4)^3$

d.  $(27 - 27 \div 3^2 - 26)^2 + (-7 \div 7)^3 \times (-1)$