**Reading Guide #3: 1.8**

Carefully read the ***Instruct*** portion in Hawkes for the section listed. You are preparing your mind for the classroom lecture by viewing this material beforehand. Learning to read a math textbook is a skill different from reading other types of texts or books. Slow down and read ALL the details – learn to “hear” the authors’ voice – this will take some time, effort and practice. When you feel frustrated, take a short break from your studies. Come back, and try again.

Section 1.8: Order of Operations

Objectives

* Follow the rules for order of operations to evaluate expressions.

Instruct

1. In the mnemonic PEMDAS, what does each letter stand for? (List both the mnemonic and the mathematical operation)

P =

E =

M = D =

A = S =

1. Since M comes before D, does that mean we always multiply before we divide? Explain.
2. Evaluate using the proper order of operation.

|  |  |
| --- | --- |
| 1.
 | $$20∙2÷2^{2}+5\left(-2\right)=$$ |
| 1.

$$16∙3÷(2^{2}-5)=$$ | 1.
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