

STUDY QUESTIONS

Taken from Studying Mathematics

By: Hudspeth & Hirsch

Below are some questions that you may use when you complete your homework assignment. Too often students "do" the problems, get the correct answers and don't stop to see where the concepts fit with other concepts previously learned. The following questions should help in encouraging this type of thinking.

1. What are the different kinds of problems and how can they be recognized?
Is it the format of the problem or the directions which will indicate the specific technique to be used?
2. How are these different problems related? (Or are they?)
3. What other versions are possible for this type of problem?
How can this problem be restated?
4. What are the different ways in which the directions can be worded and still mean the same thing?
5. What changes in the wording of the directions indicate different procedures?
6. Is there only one method to work this type of problem or are several techniques applicable?
If several techniques are appropriate, how does one choose which to use?
(Or does it matter?)
7. What means (if any) are available to check your answer other than reworking the problem in the same way?
8. How are the problems from this section/chapter different from the problems of previous sections/chapters?
9. How are the problems from this section/chapter like the problems of previous sections/chapters?

REMEMBER: THE MOST IMPORTANT PART OF DOING YOUR ASSIGNMENTS IS TO HAVE A BETTER IDEA OF THE PROCESS, NOT THE ANSWERS!