ITEM 1. Sample Selection Issues

Discussion: Helen Shub raised the issue of how the committee plans to assess quantitative reasoning. In other words, what level of mathematics will be assessed through a Scenario? If the mathematics will be of a very high level, then it may be necessary to distribute that particular Scenario only to higher level mathematics or science courses.

A discussion ensued about which mathematical skills should be assessed. Some committee members felt that it should test algebra, citing that we use algebra in everyday life to find the unknown. Other committee members felt that the Scenario should test more fundamental mathematical skills. Still others indicated that statistics is an everyday skill that should be tested. The committee decided that rather than the Scenario presenting actual mathematical problems, it should ask students to use quantitative reasoning and apply it to experiences that they could encounter in real life situations, such as, understanding medical test results, figuring percentages, reading graphs, understanding political polls, etc.

The committee further determined that since the quantitative reasoning skills that are being assessed is something that all students who have completed their general education requirements should be able to do, the Quantitative Reasoning Scenario may be distributed to any of the classes in the random sample, not just higher level mathematics or science courses.

Data/data source: (where appropriate)
Action:

ITEM 2. Rubric Development

Discussion: The committee reviewed the rubric for each of the learning outcomes to make sure the language is concise and representative of what is actually trying to be measured. A lengthy discussion took place about whether to use a holistic or analytic approach. A number of the groups felt strongly about measuring specific attributes, while other groups preferred a holistic, overall evaluative approach. No final decision was made as to what the approach will be. Each group will continue to refine their rubric in whatever way they think will be a best fit for the Scenario that they are developing.

Data/data source: (where appropriate)

Action: Each group will continue to refine their rubric as well as to work on developing “Prompts” for the Scenarios. Each group will work on their own group’s Scenario and rubric and share the results with the committee at the next meeting.

Meeting Adjourned at 2:30 p.m.

Submitted by:

Helen Shub, Scribe