

University *of* Mary Washington

Student Learning Outcomes for Mathematics

1. Students will learn the central ideas and techniques of various areas of mathematics.
2. Students will analyze, construct, and present mathematical and logical arguments.
3. Students will develop problem-solving abilities.
4. Students will discover mathematical patterns and formulate conjectures by exploration and experimentation.
5. Students will represent quantitative information by means of appropriate symbols, graphs, equations, or tables.
6. Students will read and interpret graphical and numerical data.
7. Students will use technology appropriately to solve problems, perform lengthy calculations, visualize mathematical concepts, and discover new relationships.