WELCOME TO ALGEBRA 1!

"It was interesting to think that the very first liquid ever poured on the moon, and the first food eaten there, were communion elements."

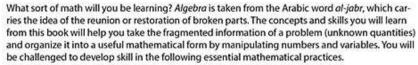
Buzz Aldrin

In July 1969, Apollo 11 became the first spaceflight to land human beings on the moon. Edwin "Buzz" Aldrin, pilot of the Lunar Module Eagle, marked the occasion by reciting John 15:5 and partaking in the Lord's Supper. As he recalled the atoning death of the one who created the very moon on which the Eagle sat, Aldrin hoped taking communion could symbolize "the thought that God was revealing Himself there too, as man reached out into the universe."

To make this moment happen, the entire Apollo 11 team relied upon the consistency and logical order within mathematics. Math, including algebra, is used extensively by spaceflight teams to calculate every detail for a mission, including supply needs, trajectories, and air pressure changes inside spacecraft.

As you make your own voyage through ALGERNA 1, you will consider God's grand design of an orderly universe and develop a biblical

worldview of math itself: why it works, why it is an effective tool, and how it should be used. Each chapter focuses on one of five themes to help you form this biblical view: foundations, modeling, reasoning, design, and ethics.



MP1. Persevere in problem solving.

MP2. Use abstract reasoning.

MP3. Construct logical arguments.

MP4. Use mathematical models.

MP5. Use appropriate tools.

MP6. Use precise language.

MP7. See and apply structure.

MP8. Generalize patterns.

This text provides instruction and exercises created to assist you in developing these skills. Each section comes with clearly stated learning targets, step-by-step examples, Skill Checks, QR codes for tutorial videos, and cumulative review. ALGERNA 1 has been written and designed with student success in mind.

Enjoy making the most of this year as you learn algebra. The problem-solving skills you develop will be useful to you whether you go on to be an entrepreneur, an architect, or even an astronaut. Shoot for the moon!





USING YOUR BOOK



