



Please refer to the available book on LMS in the course resources lessons: 3-1, 3-2, 3-6

Topic	Details
Some Beginning Math Facts	<ul style="list-style-type: none"><li>- Arithmetic Operations on Real Numbers: Addition, Subtraction, Multiplication, and Division on Integers and Rational Numbers (Fractions)</li><li>- Mathematical expressions (constants, variables, and coefficients)</li><li>- Comparison Operations and Their Symbols.</li><li>- Products and Factors</li><li>- Exponents (powers) rules</li><li>- Distributive law.</li><li>- Roots properties</li><li>- Algebraic Representation (Converting a word written scenario into an algebraic equation)</li></ul>
Solving Linear Equations in one variable	<ul style="list-style-type: none"><li>- Basic forms of linear equations</li><li>- Solving using one operation</li><li>- Solving using two operations</li></ul>
Solving Linear Equations in Two variables	<ul style="list-style-type: none"><li>- Writing one variable in an equation in terms of the other.</li><li>- Finding the value of an expression involving one variable in two variable equations</li></ul>
Quadratic Equations	<ul style="list-style-type: none"><li>- Zero-Product Rule</li><li>- Solve by factoring</li><li>- Solve by completing the square</li><li>- Solve by the quadratic formula</li></ul>

- Priority is to refer to Your NOTES and Worksheets and Quizzes.
- Pdf files of all the book lessons mentioned above will be available on the Course Resources on LMS for your reference.
- Please bring your own Calculator and Geometric Tools Box to the exam.
- The Study Hub sessions between 5<sup>th</sup> and 9<sup>th</sup> of October will be dedicated to any questions or explanations regarding the Midterm material.