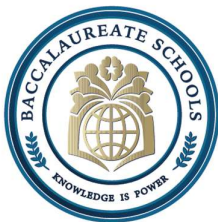


Please refer to the available book on LMS in the course resources lessons (3-1 to 3-12) and (4-1 to 4-3) and (5-4 to 5-5)

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



	<ul style="list-style-type: none">- Write the equation of a parabola from a graph
Systems of linear equations	<ul style="list-style-type: none">- Solving using substitution- Solving using elimination- Solving by graphing the lines
Absolute Value Equations and Inequalities	<ul style="list-style-type: none">- Simple inequalities- Compound inequalities- Splitting absolute value equations to solve them.- Interpretating absolute value inequalities and solving
Graphing equations	<ul style="list-style-type: none">- Graphing linear equations- Graphing systems of linear equations- Graphing linear inequalities- Graphing systems of inequalities
Working with functions	<ul style="list-style-type: none">- Function notation- Function definition- Function domain and range- Vertical line test
Data analysis	<ul style="list-style-type: none">- Working with percent problems- Ration and Variation- Rate problems

- Priority is to refer to Your NOTES and Worksheets and Quizzes.
- **Separate 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 to the exam.
- All classes from 7th to 11th of November will be dedicated to any questions or explanations and reviewing final material.