Dear Students,
The following links of step by step videos show how to solve math problems from range of topics of Basic Mathematic

Chapter: 1

Section 1.1  Algebra and Real Numbers


Then select the topics ➔

**Algebra ➔**

▲ Properties of Number
  • Commutative properties
  • Associative property
  • Distributive property

Section 1.2  Polynomials: Basic Operations


Then select the topics ➔

**Algebra ➔**

▲ Polynomials
  • Definition and Vocabulary
  • Addition and Subtraction of polynomials
  • Multiplication with polynomials
  • Special products
Section 1.3  Polynomials: Factoring

http://www.mathtv.com

Then select the topics ➔

Algebra ➔
△ Factoring
• Greatest Common Factor
• Grouping
• Trinomials with $a = 1$
• More Trinomials
• Differences of Two Squares
• Perfect Square Trinomials
• Sum and Difference of Two Cubes

Section 1.4 Rational Expressions: Basic Operations

http://www.mathtv.com

Then select the topics ➔

Algebra I ➔
△ Rational Expressions
• Reducing Rational Expressions to Lowest Terms
• Multiplication and Division of Rational Expressions
• Addition and Subtraction of Rational Expressions
Section 1.5  Integer Exponents

Then select the topics ➔

Algebra ➔ Exponents and Polynomials
• Multiplication with Exponents
• Division with Exponents
• Operations with Monomials

Section 1.7  Radicals

Then select the topics ➔

Algebra ➔ Roots and Radicals
• Definitions and Properties
• Simplifying
• Adding and Subtracting
• Multiplying
Chapter: 2

Section 2.1  Linear Equations and Application

Then select the topics ➔

Algebra ➔

- Linear Equation in one variable
  - Addition property
  - Multiplication property
  - Both properties
  - With parenthesis
  - With fraction

Section 2.2  Linear Inequalities

Then select the topics ➔

Algebra ➔

- Inequalities
  - Linear, one variable
- Word problems
  - Number problems

Section 2.3  Quadratic Equations and Applications

Then select the topics ➔

Algebra ➔

- Quadratic Equations
  - Quadratic formula
Chapter: 3

Section 3.1 Basic Tools; Circles

http://www.mathtutor.ac.uk/geometry_vectors

The below page will appear.
Then select the topic ➔ Tutorial/Text/ Diagnostic Test/ Exercises
Section 3.2  Straight Lines

http://www.mathtutor.ac.uk/geometry_vectors

The below page will appear.
Then select the topic ➔ Tutorial/Text/ Diagnostic Test/ Exercises
Chapter: 4

Section 4.2 Areas of Circles and Sectors

Area of a Circle

https://www.youtube.com/watch?v=gliSBNOt-b-U

Area of a Sector

http://www.youtube.com/watch?v=4HFkHP43sWA