

FOUNDATIONS & PRECALCULUS 10 - OUTLINE

Textbook: Foundations and Pre-Calculus Mathematics 10 – Pearson

Chapter 1: MEASUREMENT

- a) Systems of measurements
- b) Relating SI and Imperial units
- c) Surface Area & Volume

Chapter 2: TRIGONOMETRY

- a) Tangent, Sine, and Cosine
- b) Applications of Trigonometric Ratios

Chapter 3: FACTORS AND PRODUCTS

- a) Factors and Multiples
- b) Perfect Squares, Perfect Cubes, and Their Roots
- c) Multiplying and Factoring Polynomials

Chapter 4: ROOTS AND POWERS

- a) Irrational Numbers and Radicals
- b) Fractional Exponents and Radicals
- c) Negative Exponents and Reciprocals
- d) Exponent Laws

Chapter 5: RELATIONS AND FUNCTIONS

- a) Representing Relations and Properties of Functions
- b) Interpreting and Sketching Graphs of Relations and Functions
- c) Interpreting Graphs of Linear Functions

Chapter 6: LINEAR FUNCTIONS

- a) Slope of a line
- b) Slopes of parallel and perpendicular lines
- c) Slope-Intercept Form, Slope-Point Form, and General Form of the Equation for a Linear Relation

Chapter 7: SYSTEMS OF LINEAR EQUATIONS

- a) Developing and understanding the properties of Systems of Linear Equations
- b) Solving a System of Linear Equations by Graphing, by a Substitution Strategy, and by an Elimination Strategy