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Practical Math Foundation – Tier 1: Syllabus

Tier 1 TI-30XA Calculator – Basic Operations

TI-30XA Introduction

- C1 ON/OFF FIX DEG M1 M2 M3
- C2 Real Numbers: Add + Subtract – Equal =
- C3 Negative Numbers + \approx -
- C4 Multiply \times Divide \div
- C5 Percentage %
- C6 Memory M1, M2, M3 STO RCL ()
- C7 X^2 Square
- C8 \sqrt{X} Square Root
- C9 $1/X$ Reciprocal “Flip It”
- C10 Fractions $A^{B/C}$ + - \times \div
- C11 D/C Proper/Improper Fractions
- C12 F \leftrightarrow D Fraction to Decimal Conversion

Tier 1 TI-30XA Calculator – Trigonometry Operations

- C13 DEG RAD GRAD Three Angle Measures
- C14 SIN SIN^{-1}
- C15 COS COS^{-1}
- C16 TAN TAN^{-1}

Tier 1 Pre-Algebra

Pre-Algebra Introduction

- P1 Real Numbers, Integers, and Rationals
- P2 The Number Line, Negative Numbers
- P3 Rules of Addition + -

- P4 Rules of Multiplication $\times \div$
- P5 Distributive Law $+$ and \times Combined
- P6 Fractions, A/B and C/D , Rules
- P7 Squares X^2 X Squared
- P8 Square Roots \sqrt{X}
- P9 Reciprocal $1/X$ $X \neq 0$
- P10 Exponents Y^X $Y > 0$, X Can Be Any Number