Math Supplement

The following Web links are a compilation of on-line resources organized by topic.

Many of the tutorials are part of the "Interactive Mathematics" Web site (www.intmath.com) - a free, on-line system of tutorials. The system begins with basic number concepts and progresses all the way through introductory calculus. The lessons referenced here are those of most use to a student of radio electronics.

Basic Numbers & Formulas
Order of Operations - www.intmath.com/Numbers/3_Order-of-operations.php
Powers, Roots, and Radicals - www.intmath.com/Numbers/4_Powers-roots-radicals.php
Scientific Notation - www.intmath.com/Numbers/6_Scientific-notation.php
Ratios and Proportions (including π, pi) - www.intmath.com/Numbers/7_Ratio-proportion.php
Geometric Formulas - www.equationsheet.com/sheets/Equations-4.html
Tables of Conversion Factors - en.wikipedia.org/wiki/Conversion_of_units

Metric System
Metric System Overview - en.wikipedia.org/wiki/Metric_system
Metric System Tutorial - www.arrl.org/files/file/Radio%20Lab%20Handbook/Lesson%203/RLH%20Unit%203.pdf
Conversion of Metric & English Units
      - www.m-w.com/mw/table/metricsy.htm
      - en.wikipedia.org/wiki/Metric_yardstick

Fractions
Equivalent Fractions - www.intmath.com/Factoring-fractions/5_Equivalent-fractions.php
Multiplication and Division - www.intmath.com/Factoring-fractions/6_Multiplication-division-fractions.php
Adding and Subtracting - www.intmath.com/Factoring-fractions/7_Addition-subtraction-fractions.php
Equations Involving Fractions - www.intmath.com/Factoring-fractions/8_Equations-involving-fractions.ph p

Algebra & Trigonometry
Basic Algebra - www.intmath.com/Basic-algebra/Basic-algebra-intro.php
Exponents & Radicals - www.intmath.com/Exponents-radicals/Exponent-radical.php
Basic Trig Functions - www.intmath.com/Trigonometric-functions/Trig-functions-intro.php
Graphs of Trig Functions - www.intmath.com/Trigonometric-graphs/Trigo-graph-intro.php

Graphs
Basic Graphs - www.intmath.com/Functions-and-graphs/Functions-graphs-intro.php
Polar Coordinates - www.intmath.com/Plane-analytic-geometry/7_Polar-coordinates.php

Advanced Math
Exponential & Logarithmic Functions - www.intmath.com/Exponential-logarithmic-functions/Exponential-log-functions-intro.php
Complex Numbers - www.intmath.com/Complex-numbers/imaginary-numbers-intro.php
Vectors – www.intmath.com/vectors/vectors-intro.php

Decibels -
www.arrl.org/files/file/Product%2520Notes/Guide%2520to%2520Antenna%2520Tuners/APPENDIX%2520A.pdf
and www.ac6v.com/db.htm