Please mark the highest level of confidence in your ability to tutor each topic, using 1 as the lowest (No confidence) to 5 as the highest (Extremely confident).

1 – No Confidence 2 – Very Little Confidence 3 – Some Confidence

4 – Strong Confidence 5 – Extremely Confident

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| --- | --- | --- | --- | --- | --- |
| **Basic Math** | **1** | **2** | **3** | **4** | **5** |
| Operations on Whole Numbers |  |  |  |  |  |
| Addition and Subtraction using Fractional Notation |  |  |  |  |  |
| Addition and Subtraction using Decimal Notation |  |  |  |  |  |
| Multiplication and Division using Fractional Notation |  |  |  |  |  |
| Multiplication and Division using Decimal Notation |  |  |  |  |  |
| Ratio and Proportion |  |  |  |  |  |
| Percent Notation |  |  |  |  |  |
| The Real Number System |  |  |  |  |  |
| Dimensional Analysis |  |  |  |  |  |
| Number Systems Other than Base 10 |  |  |  |  |  |
| Order of Operations |  |  |  |  |  |
| Exponents |  |  |  |  |  |
| Set Operations |  |  |  |  |  |
| Venn Diagrams |  |  |  |  |  |
| Logic |  |  |  |  |  |
| T-Tables |  |  |  |  |  |
| Conditionals and Bi-conditionals |  |  |  |  |  |
|  | | | | | |
| **Algebra** | **1** | **2** | **3** | **4** | **5** |
| Linear Equations |  |  |  |  |  |
| Linear Absolute Values |  |  |  |  |  |
| Non-linear Absolute Values |  |  |  |  |  |
| Absolute Value Inequalities |  |  |  |  |  |
| Graphs of Lines |  |  |  |  |  |
| Functional Notation |  |  |  |  |  |
| Graphs of Functions |  |  |  |  |  |
| Graphs of Polynomials |  |  |  |  |  |
| Translating, Shifting, and Reflection of Graphs |  |  |  |  |  |
| Composite Functions |  |  |  |  |  |
| Inverse Functions |  |  |  |  |  |
| Roots of Polynomials using Factoring |  |  |  |  |  |
| Roots of Polynomials using Completing the Square |  |  |  |  |  |
| Roots of Polynomials using Quadratic Formula |  |  |  |  |  |
| Roots of Polynomials using Synthetic Division |  |  |  |  |  |
| Roots of Higher Order Polynomials |  |  |  |  |  |
| Roots of Polynomials involving Complex Numbers |  |  |  |  |  |
| Conics |  |  |  |  |  |
| Properties of Exponentials and Logarithms |  |  |  |  |  |
| Graphs of Exponentials and Logarithms |  |  |  |  |  |
| Solving Equations involving Exponentials and Logarithms |  |  |  |  |  |
| Solving Systems of Linear Equations (2 Variables) |  |  |  |  |  |
| Solving Systems of Linear Equations (3 Variables) |  |  |  |  |  |
| Gaussian Elimination of Matrices |  |  |  |  |  |
| Inverses of Matrices |  |  |  |  |  |
| Determinates of Matrices |  |  |  |  |  |
| Simple and Compound Interest |  |  |  |  |  |
| Annuities |  |  |  |  |  |
| Amortization |  |  |  |  |  |
| Geometric Approach to Linear Programming |  |  |  |  |  |
| Simplex Method to Linear Programming |  |  |  |  |  |
|  | | | | | |
| **Geometry** | **1** | **2** | **3** | **4** | **5** |
| Basic Definitions (Points, Lines, Rays, Angles, Triangles) |  |  |  |  |  |
| Types of Angles |  |  |  |  |  |
| Measurements of Angles |  |  |  |  |  |
| Congruent Triangles |  |  |  |  |  |
| Planes and Parallel Lines |  |  |  |  |  |
| Circles |  |  |  |  |  |
| Polygons |  |  |  |  |  |
| Quadrilaterals |  |  |  |  |  |
| Midpoint |  |  |  |  |  |
| Slope |  |  |  |  |  |
| Distance Formula |  |  |  |  |  |
| Theorems, Postulates, and Proofs |  |  |  |  |  |
|  | | | | | |
| **Trigonometry** | **1** | **2** | **3** | **4** | **5** |
| Angles and their Measure |  |  |  |  |  |
| Trigonometric Functions |  |  |  |  |  |
| Right Triangle Trigonometry |  |  |  |  |  |
| Applications |  |  |  |  |  |
| Graphs of Trigonometric Functions |  |  |  |  |  |
| Inverse Trigonometric Functions |  |  |  |  |  |
| Solving Trigonometric Equations |  |  |  |  |  |
| Verifying Identities |  |  |  |  |  |
| Law of Sines |  |  |  |  |  |
| Law of Cosines |  |  |  |  |  |
| Complex Numbers |  |  |  |  |  |
| Vectors |  |  |  |  |  |
| Conics |  |  |  |  |  |
| Polar Equations |  |  |  |  |  |
|  |  |  |  |  |  |
| **Calculus** | **1** | **2** | **3** | **4** | **5** |
| Definition of Limits |  |  |  |  |  |
| Limit Theorems |  |  |  |  |  |
| L’Hopital’s Rule |  |  |  |  |  |
| Continuity |  |  |  |  |  |
| Intermediate Value Theorem |  |  |  |  |  |
| Derivatives |  |  |  |  |  |
| Chain Rule |  |  |  |  |  |
| Implicit Differentiation |  |  |  |  |  |
| Applications of Derivatives |  |  |  |  |  |
| Analysis of Graphs |  |  |  |  |  |
| Mean Value Theorem |  |  |  |  |  |
| Min/Max |  |  |  |  |  |
| Related Rates |  |  |  |  |  |
| Definition of Integrals |  |  |  |  |  |
| Definite Integrals |  |  |  |  |  |
| Fundamental Theorem of Calculus |  |  |  |  |  |
| Integration of Polynomials |  |  |  |  |  |
| Integration of Exponentials and Logs |  |  |  |  |  |
| Integration of Trigonometric Functions |  |  |  |  |  |
| Integration using Substitution |  |  |  |  |  |
| Integration using Trig Substitution |  |  |  |  |  |
| Integration by Parts |  |  |  |  |  |
| Integration using Partial Fractions |  |  |  |  |  |
| Lengths of Curves |  |  |  |  |  |
| Work |  |  |  |  |  |
| Volume |  |  |  |  |  |
| Surface Area |  |  |  |  |  |
| Parametric Equations |  |  |  |  |  |
| Polar Coordinates |  |  |  |  |  |
| Sequences and Series |  |  |  |  |  |
| Convergence Test |  |  |  |  |  |
| Power Series |  |  |  |  |  |
| Taylor Series |  |  |  |  |  |
|  | | | | | |
| **Statistics** | **1** | **2** | **3** | **4** | **5** |
| Graphic Representations of Data |  |  |  |  |  |
| Measures of Central Tendency |  |  |  |  |  |
| Measures of Dispersion |  |  |  |  |  |
| Measures of Position |  |  |  |  |  |
| Regression and Correlation |  |  |  |  |  |
| Combinatorics |  |  |  |  |  |
| Probability Random Variables |  |  |  |  |  |
| Probability Distributions for Discrete ad Continuous Random Variables |  |  |  |  |  |
| Sampling and Sampling Distributions |  |  |  |  |  |
| Central Limit Theorem |  |  |  |  |  |
| Confidence Intervals |  |  |  |  |  |
| Hypothesis Testing |  |  |  |  |  |
| Inference Concerning Correlation and Regression |  |  |  |  |  |
| Categorical Data Analysis |  |  |  |  |  |
| Chi-Square |  |  |  |  |  |
| Contingency Tables |  |  |  |  |  |
| Homogeneity Tests |  |  |  |  |  |
| Decision Theory |  |  |  |  |  |
| Control Charts |  |  |  |  |  |