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| 8th Grade | G.2 Solve proportions: word problems |  |
| Algebra 1  | KK.5 Outcomes of Compound EventsKK.8 Counting Principle | KK.9 PermutationII.2 Mean, Median, Mode, and Range |
| Geometry | E.3 – Equation of lines |  |
| Algebra 2 | D.1 – Domain and rangeE.1 – Is (x,y) a solution to the system of equations?J.3 – Factor quadraticsL.2 – Add and Subtract PolynomialsL.3 – Multiply polynomialsM.4 – Simplify radical expressions with variables 1N.1 – Evaluate rational exponentsN.5 – Simplify expressions involving rational exponents I | O.1 – Rational functions: asymptotes and excluded valuesO.2 – Evaluate rational expressions IS.3 – Convert between exponential and logarithmic form: all basesS.12 – Properties of logarithms: mixed reviewZ.1 – Pythagorean Theorem and its converseZ.3 – Trigonometric ratios: sin, cos, and tan |

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| **ADDITIONAL** Problems for Higher Level (Optional) |
| Geometry | E.6 – Find the distance between a point and a lineE.7 – Find the distance between two parallel linesU.13 – Surface area and volume review |
| Algebra 2 | E.10 – Solve a system of equations using any methodI.2 – Add and subtract complex numbersI.4 – Multiply complex numbersI.5 – Divide complex numbersJ.5 – Factor by groupingK.13 – Using the discriminant M.5 – Simplify radical expressions with variables IIM.14 – Solve radical equationsN.6 – Simplify expressions involving rational exponents IIO.3 – Evaluate rational expressions IIP.4 – Composition of linear functions: find a valueR.2 – Write and solve inverse variation equationZ.18 – Solve a right triangle |
| Precalculus | X.1 – Introduction to probability  |