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| 8th Grade | G.2 Solve proportions: word problems |  |
| Algebra 1 | KK.5 Outcomes of Compound Events  KK.8 Counting Principle | KK.9 Permutation  II.2 Mean, Median, Mode, and Range |
| Geometry | E.3 – Equation of lines |  |
| Algebra 2 | D.1 – Domain and range  E.1 – Is (x,y) a solution to the system of equations?  J.3 – Factor quadratics  L.2 – Add and Subtract Polynomials  L.3 – Multiply polynomials  M.4 – Simplify radical expressions with variables 1  N.1 – Evaluate rational exponents  N.5 – Simplify expressions involving rational exponents I | O.1 – Rational functions: asymptotes and excluded values  O.2 – Evaluate rational expressions I  S.3 – Convert between exponential and logarithmic form: all bases  S.12 – Properties of logarithms: mixed review  Z.1 – Pythagorean Theorem and its converse  Z.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 line  E.7 – Find the distance between two parallel lines  U.13 – Surface area and volume review |
| Algebra 2 | E.10 – Solve a system of equations using any method  I.2 – Add and subtract complex numbers  I.4 – Multiply complex numbers  I.5 – Divide complex numbers  J.5 – Factor by grouping  K.13 – Using the discriminant  M.5 – Simplify radical expressions with variables II  M.14 – Solve radical equations  N.6 – Simplify expressions involving rational exponents II  O.3 – Evaluate rational expressions II  P.4 – Composition of linear functions: find a value  R.2 – Write and solve inverse variation equation  Z.18 – Solve a right triangle |
| Precalculus | X.1 – Introduction to probability |