



# Spark a Mind & Change a Life

## Kansas College and Career Ready Mathematics Standards for Ninth and Tenth Grade

- N.RNA Use property of rational numbers and irrational numbers
- N.Q.A All reason quantitatively and use units to solve problems
- A.SSE.A All interpret the structure of expressions
- A.SSE.B Write expressions in equivalent forms to solve problems
- A.APR.A Perform arithmetic operations on polynomials
- A.APR.B Use polynomial identities to solve problems
- A.CED.A All create equations the describe numbers or relationships
- A.REI.A All understand solving equations as a process of reasoning and explain the reasoning
- A.REI.B Solve equations and inequalities in one variable
- A.REI.C Solve systems of equations
- A.REI.D Represent and solve equations and inequalities graphically
- F.IF.A Understand the concept of a function and use function notation
- F.IF.B Interpret functions that arise in applications in terms of the context
- F.IF.C Analyze functions using different representations



## Kansas College and Career Ready Mathematics Standards for Ninth and Tenth Grade Continued

- F.BF.A Build a function that models a relationship between two quantities
- F.BF.B Build new functions from existing functions
- G.CO.A Experiment with transformations in the plane
- G.CO.B Understand congruence in terms of rigid motions
- G.OCC Construct arguments about geometric theorems using rigid transformations and/or logic
- G.OCD Make geometric constructions
- G.SRT.A Understand similarity in terms of similarity transformations
- G.SRT.B Construct arguments about theorems involving similarity
- G.SRT.C Define trigonometric ratios and solve problems involving right triangles
- G.CA Understand and apply theorems about circles
- G.GPE.A Translate between the geometric description and the equation for a conic section
- G.GPE.B Use coordinates to prove simple geometric theorems algebraically
- G.MG.A Apply geometric concepts in modeling situations
- S.ID.A Summarize, represent, and interpret data on a single count or measurement variable
- S.ID.B Summarize, represent, and interpret data on two categorical and quantitative variables
- S.IB.C Interpret linear models