Task Background
Domain & Area: Mathematics - Algebra
Target CCR Standard(s) (including level of standard, if needed) and/or adult diploma competency for Algebra**:** **Algebra (MN k-12 Academic Standards:** ABE instruction in Levels D and E covering Algebra (Demonstrated competency mastery in all Level D standards and at least one Level E standard in the CCRS for Algebra). **CCRS Algebra Level D standards** 1. Use properties of operations to generate equivalent expressions. 2. Solve real-life and mathematical problems using numerical and algebraic expressions and equations. 3. Work with radicals and integer exponents. 4. Understand the connections between proportional relationships, lines, and linear equations. 5. Analyze and solve linear equations and pairs of simultaneous linear equations. 6. Define, evaluate, and compare functions. 7. Use functions to model relationships between quantities. **CCRS Algebra Level E standard** 1. Perform arithmetic operations on polynomials. Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.
Task Description: The purpose of this task is for you to demonstrate knowledge around a fundamental concept in the area of mathematics - Algebra. Follow the directions for the capstone activity carefully.The expectation is that you will complete the activities of this task mostly on your own.

Activities	
Title: Algebra Capstone	**Directions:** Answer all questions completely and show your work. **Date Completed:** _____ **Teacher Initials:** _____