Task Background

Domain & Area: Mathematics - Geometry

Target CCR Standard(s) (including level of standard, if needed) and/or adult diploma competency for Geometry:

GEOMETRY - Adult Diploma Math Requirement - ABE Instruction

<u>Geometry (MN k-12 Academic Standards:</u> ABE instruction in Levels D and E covering Geometry (Demonstrated competency mastery in all Level D standards and at least one Level E standard in the CCRS for Geometry).

CCRS Geometry Level D standards

- 1. Draw, construct, and describe geometrical figures and describe the relationships between them.
- 2. Solve real-life and mathematical problems involving angle, measure, area, surface area, and volume.
- 3. Understand congruence and similarity using physical models, transparencies, or geometry software.
- 4. Understand and apply the Pythagorean Theorem.

CCRS Geometry Level E standard

 <u>Geometric Measurement and Dimension</u>: Explain volume formulas and use them to solve problems. Use volume formulas for cylinders, pyramids, cones, and spheres to solve problems.* (G.GMD.3) [Also see 7.G.6]

Task Description: The purpose of this task is for you to demonstrate knowledge around a fundamental concept in the area of mathematics - Geometry.

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: Geometry Capstone	Directions: Answer all questions completely and show your work.
	Date Completed:
	Teacher Initials: