## 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
Geometry (MN k-12 Academic Standards: 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

1. Geometric Measurement and Dimension: 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 <br> and show your work. <br> Date Completed: <br> Teacher Initials: |

