8.G Partitioning a hexagon

Task

a. Find a way to partition a regular hexagon into 2 congruent figures. Explain how you know the 2 figures are congruent.

b. Find many ways to partition a regular hexagon into 2 congruent figures.

c. Find a way to partition a regular hexagon into 4 congruent figures. Explain how you know the 4 figures are congruent.

d. Find a way to partition a regular hexagon into 8 congruent figures. Explain how you know the 8 figures are congruent.

Bonus 1: Find a different way to partition a regular hexagon into 8 congruent figures.

Bonus 2: Find a different way to partition a regular hexagon into 4 congruent figures.

Bonus 3: Find yet another way to partition a regular hexagon into 8 congruent figures.