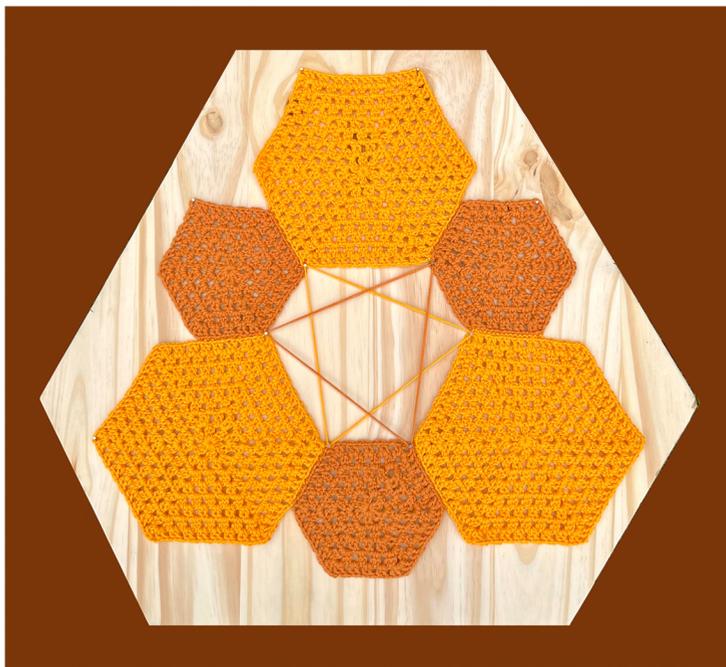# Dennis Bromley, Samantha Pezzimenti, Marina Skyers
Student, Associate Teaching Professor of Mathematics, Assistant Teaching Professor of Mathematics
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Samantha Pezzimenti and Marina Skyers teach mathematics at Penn State Brandywine. They are interested in the ways artistic representations and physical models can help students understand abstract mathematical concepts. Dennis Bromley is an Actuarial Science student at Penn State Brandywine and a long-time crocheter. He enjoys exploring ways that mathematical properties can be represented through crochet and can always be counted on to bring the whimsical ideas of his professors to fruition.

Golden Hexagon with Triangles, 10.5 x 13.5 in,
Print of crocheted piece, 2024

Our three crocheted models exhibit connections between honeybees, golden hexagons, and the Fibonacci sequence. This honey-colored model (3 of 3) uses regular hexagons with side lengths consecutive Fibonacci numbers (5 and 8) to create an approximate golden hexagon. The string art shows that the hexagon can also be constructed by two equilateral triangles.