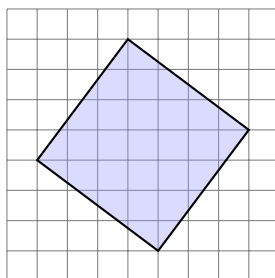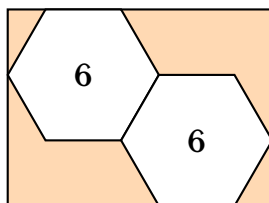# 12 Days of ChrisMATH — Day 10

Geometry

Level 1

If each little square has an area of 1, what is the area of the shaded square?

Level 2

Determine the shaded area inside the rectangle if each of the identical, regular hexagons have an area of 6.

Level 3

Two circles and a smaller square are inside a larger square. The circles each have a radius of 4 and are each tangent to each other and the two squares. Determine the area of the smaller square.