Calculus 3 Workbook

Applied optimization

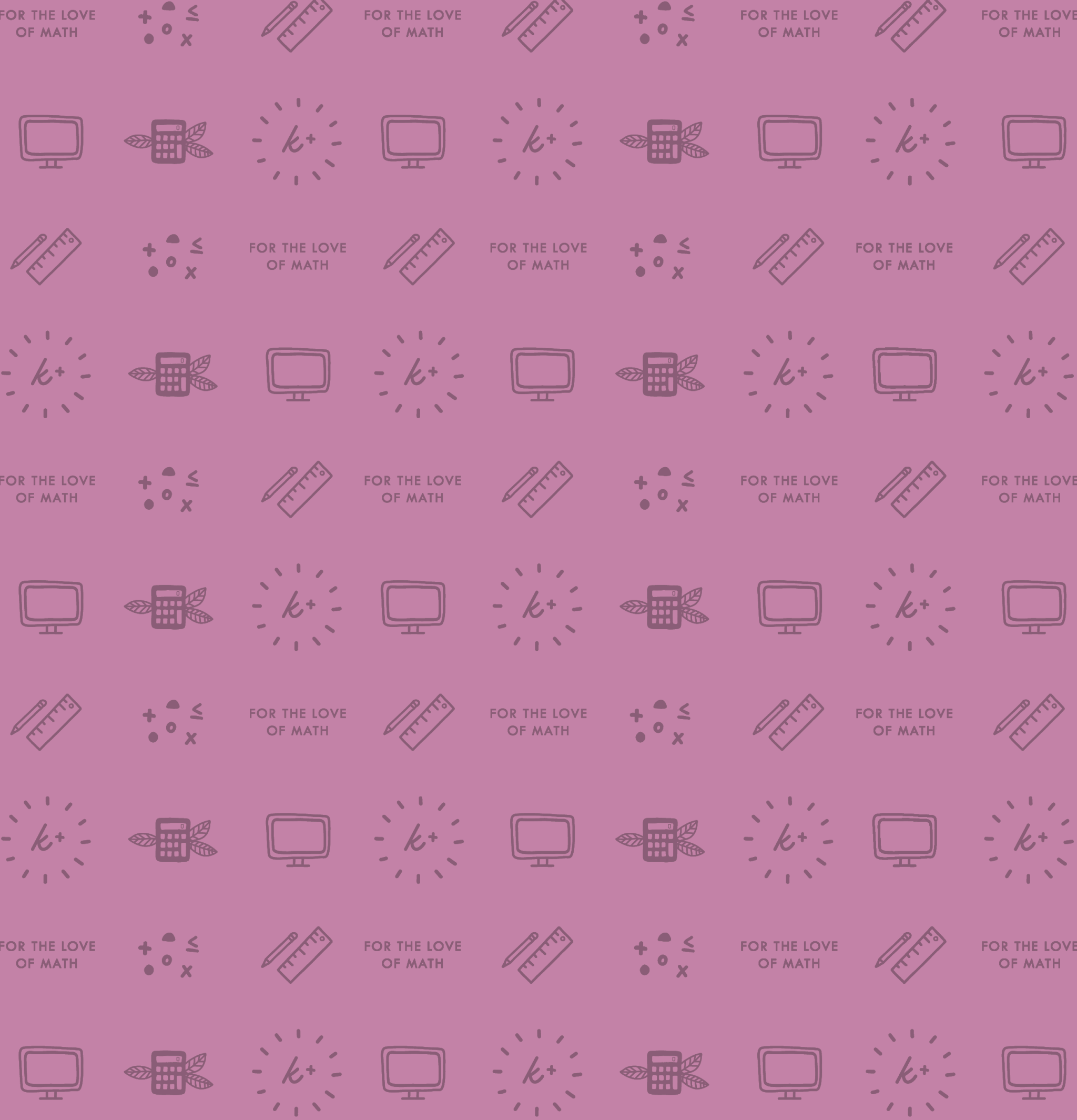
krista king
MATH

APPLIED OPTIMIZATION

■ 1. Find the maximum volume of a rectangular box inscribed in a hemisphere with radius 4.

■ 2. Find the minimum distance from $(2,2,-1)$ to the plane $8x - 4y + z + 11 = 0$.

■ 3. Find the minimum distance from $(-4,4,0)$ to the cone $3x^2 + y^2 = z^2$.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