MATHS

BOOKS - MODERN PUBLICATION

AREA UNDER PLANE CURVES

Problem

1. Find the area of the regions into which the circle $x^2 + y^2 = 4$ is divided by the line $x + \sqrt{3}y = 2.$

2. Find the area of the smaller region bounded by the ellipse $\dfrac{x^2}{a^2} + \dfrac{y^2}{b^2} = 1$ and the straight line $\dfrac{x}{a} + \dfrac{y}{b} = 1$