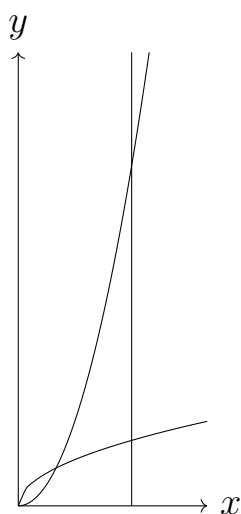


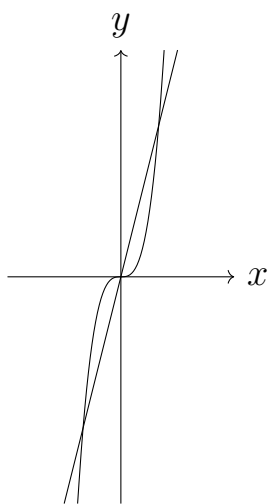
408L CLASS PROBLEMS

FEBRUARY 5TH, 2020

Problem 1. Find the area of the region bounded by the line $x = 3$ and the graphs of the functions $f(x) = x^2$, $g(x) = \sqrt{x}$.



Problem 2. Find the area of the region between the graphs of the functions $f(x) = x^3$, $g(x) = 4x$.



Problem 3. Find the area bound by the line $x = \frac{\pi}{4}$ and the graphs of the functions $f(x) = \sin(x)$ and $g(x) = \tan(x)$.