

M 408C - Differential and Integral Calculus

Week 13 - 5.5, 6.1

Quest HW 13 - Due Monday at 11:30p.

Gradescope HW 13 - Due **Monday** at 11:30p on Gradescope.

§5.5, #76, 90

§6.1, #58, 66

Additional Question:

#1) Let R be the region bounded by the x-axis, $y = 6\sqrt{x}$, and $x = 4$. Find the value of k for which the line $y = kx$ divides R into two regions with equal area.

#2) Let R be the region bounded by $y = 2xe^{x^2}$ from $x = 0$ and $x = 3$. Find the value k such that the line $x = k$ divides R into two equal regions.