

Math 2300-007: §6.1 - More About Areas

(With thanks to Faan Tone Liu)

Complete the following problems about areas. As you work, think about the key points, so can summarize them in question 4.

1. Find the area bounded between $y = 5x - x^2$ and $y = x$.

2. Find the area of the region bounded by $y = 4x - x^2$, $y = 4 - x$, and the x -axis.

3. Set up the integral to find the area bounded between $x = 2y^2$ and $x = 27 - y^2$.
4. What advice would you give to another student for finding areas between curves? What are some of the steps? The key points?