

Work-It-Out Day 7: Sections 6.1,6.2 and 6.3
Math 142 - Spring 2016

1. Find the area enclosed by the graphs of $y = 4x$, $y = 24 - 8x$, $y = 2$.
2. Find the area enclosed by the graphs of $x = y^2 - 9$, $x = 15 - 2y$.
3. The base of a solid is a triangle bounded by the axes and the line $2x + 3y = 12$, and its cross sections perpendicular to the y -axis are equilateral triangles. Find its volume.

