

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 142) Math 102.12 Quiz # 2

Name: _____ I.D. # _____ Sr. # _____

Find the volume of the solid generated by revolving the region bounded by $y = 4\sqrt{x}$ and the lines $y = 12$ and $x = 0$ about the line $x = 9$.

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 142) Math 102.14 Quiz # 2

Name: _____ I.D. # _____ Sr. # _____

Find the volume of the solid generated by revolving the region in the first quadrant bounded by $x = 3y - 3y^3$ and the x -axis about the line $y = 1$.