Mini-Make-Up Exam

Intermediate Calculus & Analytic Geometry (MATH 241 A)   Date: October 4, 2013

Name:

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1. (5 pts) Use the method of cylindrical shells to find the volume *V* generated by rotating the region bounded by the given curves about the specified axis.
   $y = 13\sqrt{x}$, $y = 0$, $x = 1$; about $x = -2$.

2. (5 pts) Find the volume *V* of the solid obtained by rotating the region bounded by the given curves about the specified line.
   $x = 2\sqrt{7y}$, $x = 0$, $y = 3$; about the y-axis