Math 2163 Jeff Mermin's section, Quiz 7, November 16

- 1. (7 points each) Express the following as iterated integrals. You may use any coordinate system you like, as long as you use it correctly and justify your work.
 - (a) The volume of the region R using an iterated integral (or integrals), if R is the region between the surfaces $z = x^2 + y^2$ and $z = 25 x^2 y^2$, and above the first and fourth quadrants (that is, $x \ge 0$).



