Math 220 **Quiz 12** **Summer 2015**

Name _____

1. Let **R** be the finite region bounded by $8y = x^2$ and $x = y^2$. In the following manner set up, but do not evaluate, definite integrals which represent the volume of the solid obtained when **R** is revolved around the vertical line $x = 10$.

   (a) Integrate with respect to x.

   (b) Integrate with respect to y. (The integrands in parts (a) and (b) should be different.)