Quiz 2   MAC-2312   Fall 2013   **Name:** _____

To receive credit you MUST SHOW ALL YOUR WORK.

1. (6 pts) (a) Find the area of the region bounded between the curves $y = x$ and $y = 2\sqrt{x}$. Picture **and** computation are required for this part.

(b) (5 pts) Set up an integral to express the volume of the solid obtained when the region in part (a) is revolved around the y-axis. Computation is **not** required for this part, but you should support your work with a sketch of the solid.