

Name:

1. Express the region bounded by the curves $y = \sqrt{x}$, $y = 0$, and $x = 4$ in two ways (you may find it helpful to sketch the region):

(a) Via inequalities of the form $a \leq x \leq b$, $f_1(x) \leq y \leq f_2(x)$.

(b) Via inequalities of the form $c \leq y \leq d$, $g_1(y) \leq x \leq g_2(y)$.