

Quiz #12

Math 1100-05, Fall 2005

(10 points) **Problem.** Let $f(x, y) = \sqrt{2x - y}$

(a) Find $f(2, 1)$, $f(0, 1)$ and $f(1, 2)$.

(b) Describe the region R in the xy -coordinate plane that corresponds to the domain of the function f .

(c) Find the range of the function f .

(d) Sketch the level curves for $c = 0, 1, 2$.