11/21/2006

Zuon prootem 10 1102 in commence of the commen

Calculus 3

Quiz 9

1. Parametrize and give bounds for the rectangle with vertices (0,0,0), (0,2,0), (0,2,5), and (0,0,5).

$$y(y,v) = 0$$
 $y(y,v) = u$
 $y(y,v) = v$
 $0 \le u \le 2$
 $0 \le v \le 5$

Excellent

2. Parametrize and give bounds for the portion of the cylinder with radius 2 centered around the x-axis between x = 1 and x = 2.

$$\chi(u,v) = u \qquad | \leq u \leq 2$$

$$\gamma(u,v) = 2\cos v \quad 8 \leq v \leq 2\pi$$

$$y(u,v) = 2\cos v \quad 8 \leq v$$

$$z(u,v) = 3\sin v$$
Great