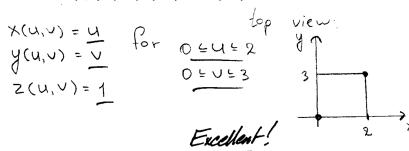
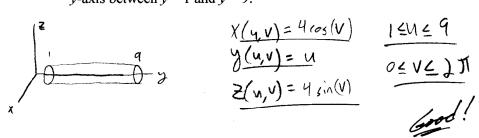
1. Parametrize and give bounds for the portion of the plane z = 1 lying above the rectangle with vertices (0,0), (2,0), (2,3), and (0,3).



2. Parametrize and give bounds for the portion of the cylinder with radius 4 centered around the y-axis between y = 1 and y = 9.



3. Parametrize and give bounds for the portion of the plane x = 10 that lies within the cylinder with equation $y^2 + z^2 = 1$ $r^2 = 1$ $r^2 = 1$ $r^2 = 1$

ation
$$y^2 + z^2 = 1$$
 $r^2 = 1$ $fr^2 = r = -12 = 1$.
 $\times (u,v) = 10$ $0 \le v \le 1$
 $y(u,v) = U\cos v$ for $0 \le v \le 2\pi$
 $2(u,v) = U\sin v$