1. First check the curlF.

$$\begin{vmatrix} i & j & k \\ D/dx & d/dy & d/dz \\ yz+2y+3z & xz+2x+4z & xy+3x+4y \end{vmatrix} = 0$$

Field is conservative

C is intersection of x+y+z=1 and x^2+y^2=1

Stokes Theorem states Int(Int(curlF . dS))
curlF is 0
dS = gradF/Magnitude of gradF

gradF = <0,0,0>

Stokes Theorem does not work