Math 3298 Worksheet 37: Divergence theorem
Group members (2 to 4): $\qquad$
(1) Calculate the flux of $\vec{F}=(x y, y z, z x)$ out of the closed cylinder $x^{2}+y^{2} \leq 1$, $z \geq 0, z \leq 1$ :
(a) Directly
(b) ... by using the divergence theorem.

