

QUIZ #5 MATH 301-06 Feb 27, 2018

NAME:.....**ID:**.....

Ex#1: Use the divergence theorem to evaluate $I = \int \int_S F \cdot n \, dS$ where S is the surface, boundary of the solid cube $-1 \leq x, y, z \leq 1$ and

$$F = \langle e^{\tan x} + x^2, e^z - y, yz \rangle .$$