MATH 251: Practice 25 July 14, 2015

Name: _____

Use the Divergence Theorem to compute the flux of the vector field

 $\vec{F} = \langle x^2y + \sin(yz), xyz + 3z, e^y + z^2 \rangle$

out of the rectangular prism $0 \le x \le 2, 1 \le y \le 3, 0 \le z \le 3$.