

MATH 253 – WORKSHEET 28
TRIPLE INTEGRALS

(1) Integrate $f(x, y, z) = xy^2z^3$ on the box $[6, 5] \times [4, 3] \times [2, 1]$.

(2) Calculate $\iiint_B xy e^{xz} dx dy dz$ where $B = [1, 2]^3$.