

5. Evaluate the surface integral:

$$\iint_S x dS$$

where  $S$  is the part of the paraboloid  $x = y^2 + z^2$  given by  $3 \leq x \leq 4$ .

---

FOR INSTRUCTOR USE ONLY – DO NOT WRITE IN THIS AREA



EXI: 0xCED326404A9B

FMI: 0xE0BCF8DD8785

CQS: 0x489EA9A139E9