

$z = 4 > 0$ , so we can interpret the integral as the volume of the solid  $S$  that lies below the plane  $z = 4$  and above the rectangle  $[-3, 3] \times [4, 9]$ .  $S$  is a rectangular solid, thus  $\iint_R 4 dA = 4 \cdot 5 \cdot 6 = 120$ .