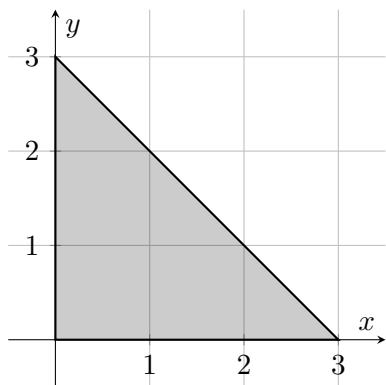


Name: _____

1. Let R be the rectangle defined by $0 \leq x \leq 3$ and $0 \leq y \leq 2$. Evaluate

$$\iint_R (6y^2 - 2x).$$

2. Let R be the triangular region with vertices $(0, 0)$, $(3, 0)$, and $(0, 3)$, illustrated below.



Compute

$$\iint_R (x^2 + y^2).$$