Math 53 Discussion

Quiz on Monday: Review 15.1–15.4, but 15.1 is just for geometric intuition. There won't be Riemann sums on the quiz.

Problems done in class: 15.3, double integrals over more general regions

1) Find $\int\int_D x\,dA$ where D is the region below $\sin x$ and above the x-axis for $0 \le x \le \pi$.

2) Find $\int\int_D y^2\,dA$ where D is the triangular region with vertices $(0,1)$, $(1,2)$ and $(4,1)$.

Answers: π, $11/3$