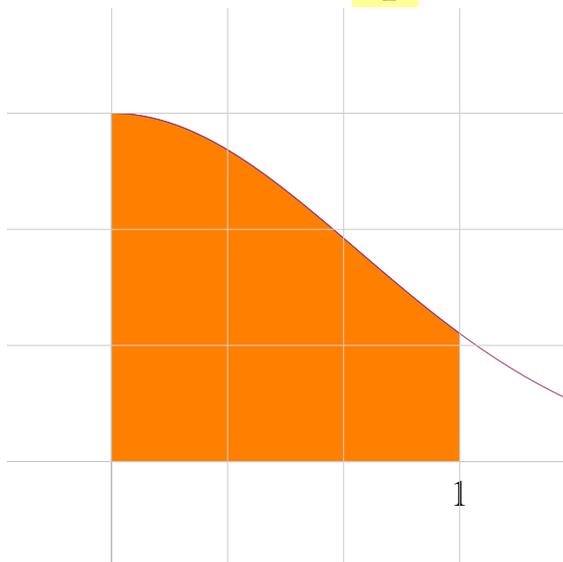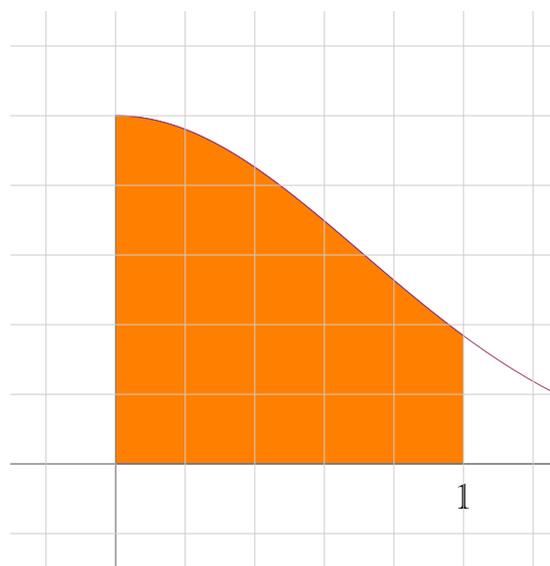## Lecture 18: Worksheet

Riemann sums

We look at the function $f(x) = \exp(-x^2)$. It is a function for which the integral $\int_0^x f(t)\, dt$ is not elementary. We can not express it with polynomials, trig, exponential functions or their inverses. We want here to get estimates for $\int_0^1 \exp(-x^2)\, dt$.

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