Homework 13

1. Section 7.4: Problems 3, 5, 7, 8, 9, 10, 23(a), 24.
2. Section 8.2: Problems 5, 11, 15, 23, 25, 27, 29, 33, 35, 43, 45, 51, 63, 71, 75, 76.
   Hints:
   $\int e^{ax}\cos(bx)\,dx$ or $\int e^{ax}\sin(bx)\,dx$: integration by part twice.
   Computations involving antiderivative of $\tan^2 x$: try $\tan^2 x = \sec^2 x - 1$
   $\int f(x)\ln x\,dx$: try $y = \ln x$, $x = e^y$ and proceed.