

Take Home Quiz Problems

You can use your notes and book (i.e., for the integral of the secant), but you may not use the tables at the back of the book, and you are expected to do your own work. Your solutions should be NEATLY written!

1. Assigned April 3 (Due April 7):

$$\int_0^{\frac{1}{\sqrt{2}}} \frac{x^2}{\sqrt{1-x^2}} dx \quad \int x \sin^{-1}(x) dx \quad \int \frac{x+2}{x^2+3} dx$$

2. Assigned April 10 (Due April 14):

$$\int \frac{1}{\sqrt{t^2-6t+13}} dt \quad \int_0^\infty t e^{-5t} dt \quad \int x^2 \ln(1+x) dx$$