

PRACTICE QUESTIONS 2  
Sections 28.1-28.7

1. Evaluate  $\int_0^1 \frac{e^{9x}}{2+4e^{9x}} dx$ . Round your answer to two decimal places.
2. Evaluate  $\int_0^{\frac{\pi}{4}} \sqrt[4]{\tan x} \sec^2 x dx$
3. Evaluate  $\int \frac{x}{\sqrt{4-x^2}} dx$
4. Evaluate  $\int \frac{4 dx}{\sec x e^{\sin x}}$
5. Evaluate  $\int \frac{x}{\sqrt{1+x}} dx$
6. Evaluate  $\int_0^{\frac{\pi}{4}} \frac{5-8 \sin(2x)}{\cos^2 x} dx$
7. Evaluate  $\int \frac{\ln x}{x^2} dx$
8. Evaluate  $\int \sin^2 6x dx$
9. Evaluate  $\int \frac{e^{-x} dx}{1+e^{-2x}}$
10. Evaluate  $\int \tan^3 \theta \sec^5 \theta d\theta$
11. Evaluate  $\int \frac{5 dx}{x^2+8x+17}$