

MATH 180
Spring 2010

NAME _____

Homework #14
Due Tuesday, May 18
No late papers accepted! No exceptions!

1. Evaluate the integrals.

a) $\int \arcsin x dx$

b) $\int \sin(\ln x) dx$

c) $\int e^{2x} \sin(x) dx$

d) $\int x^3 \cos(2x) dx$

$$e) \int \frac{1}{1 + \sin x} dx$$

$$f) \int \frac{1 + \sin x}{\cos^2 x} dx$$

g) $\int \frac{x}{x+1} dx$

h) $\int \frac{\ln x}{x + 4x \ln^2 x} dx$