

## Math 17 HW due September 23, 2004

Problems taken from *Calculus: Early Transcendentals* 5th Ed. by James Stewart.  
After the Book is available in the bookstore, Full HW problems will not be posted on the web

September 8, 2004

Section 5.5, 14, 27, 28.

$$14.) \int \frac{x}{x^2 + 1} dx$$

$$27.) \int e^x \sqrt{1 + e^x} dx$$

$$28.) \int e^{\cos t} \sin t dt$$

Section 7.1, 3, 7, 16, 22.

$$3.) \int x \cos 5x dx$$

$$7.) \int x^2 \sin \pi x dx$$

$$16.) \int e^{-\theta} \cos 2\theta d\theta$$

$$22.) \int_1^4 \sqrt{t} \ln t dt$$

Section 7.4, 8, 9, 16.

$$8.) \int \frac{r^2}{r + 4} dr$$

$$9.) \int \frac{x - 9}{(x + 5)(x - 2)} dx$$

$$16.) \int_0^1 \frac{x^3 - 4x - 10}{x^2 - x - 6} dx$$

Section 9.1, 1, 2, 5, 7 (On Photocopies).