

Math 181
Spring 2010

Name _____

Homework #7
Due Thursday, April 1
No late papers accepted! No excuses!

Evaluate each integral.

1. $\int \frac{dx}{(4-x^2)^{\frac{3}{2}}}$

$$2. \int \sqrt{1-9x^2} dx$$

$$3. \int \frac{x^3 + 1}{x^3 - x} dx$$

$$4. \int \frac{x+1}{x^2(x-1)} dx$$

5. $\int \frac{y+4}{y^2+1} dy$

6. $\int \cos^5 x dx$