Math 132 Symbolic Test.
Spring 2002

Your name   _____

ID number   _____

Your section   _____

Note:
- No notes, no books, **no calculator.**
- It is **not sufficient** to simply write down the answers. You must **explain how** you arrive at your answers.
- You have **ONE HOUR.**

$$\cos^2\theta = \frac{1 + \cos 2\theta}{2}, \ \ \sin^2\theta = \frac{1 - \cos 2\theta}{2}$$

	grade
#1	
#2	
#3	
#4	
#5	
#6	
#7	
Total	

1 $\displaystyle\int \frac{x^2 + 1 - x^{-2}}{\sqrt{x}}\, dx$

\# 2 $\displaystyle\int \ln x \, dx$

\# 3 $\displaystyle\int (2 - \cos\theta)^2 \, d\theta$

4 $\displaystyle\int xe^{5x}\,dx$

5 $\displaystyle\int x\sqrt{4 - x^2}\,dx$

6 $\displaystyle\int \sqrt{4 - x^2}\, dx$

7 $\displaystyle\int \cos^3 x \sin^3 x \, dx$