

MTH 1126 Test #3
SPRING 2004

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Name _____

Instructions. Show clearly how you arrive at your answers.

1. Compute: $\int \sin^4(x) \cos^3(x) dx =$

2. Compute: $\int \sec^4(x) \tan^4(x) dx =$

3. Compute: $\int \frac{x}{x^2+x-6} dx =$

4. Compute: $\int x \ln(x) dx =$

5. Compute: $\int \frac{1}{9+4x^2} dx =$

6. Compute: $\int \frac{1}{\sqrt{4-9x^2}} dx =$