

## Worksheet for 6-12-06

### Improper Integral Examples

1.  $\int_0^2 z^2 \ln z \, dz$

2.  $\int_0^1 \frac{1}{4y-1} \, dy$

3.  $\int_1^\infty \frac{\ln x}{x^3} \, dx$

4.  $\int_{-\infty}^1 xe^{2x} \, dx$