

Date:

Calculus II

Name:

Section: **Integral Gateway Quiz** (version #29)

ID:

Find each indefinite integral. Calculators are **not** allowed.
At least 9 must be correct for any credit. Allowed time: 10 minutes.

1. $\int \csc(3x) \cot(3x) dx$

2. $\int \frac{3}{v^2+1} dv$

3. $\int \sin(5r) dr$

4. $\int e^{2x} dx$

5. $\int 2 \sec(t) \tan(t) dt$

6. $\int \frac{1}{2s+3} ds$

7. $\int 5 \csc^2(t) dt$

8. $\int \sec^2(5u) du$

9. $\int \cos(5y) dy$

10. $\int (x^2 + 9x) dx$