

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

ID: A

### Quiz#2

\_\_\_\_\_ 1. Evaluate the indefinite integral.

$$\int \cos^6 x \sin x \, dx$$

\_\_\_\_\_ 2. Evaluate the indefinite integral.

$$\int \frac{e^x}{e^x + 5} \, dx$$

3) Evaluate the definite integral.

$$\int_{-1}^1 \frac{\sin x}{2+x^2} dx$$

4) Evaluate the definite integral.

$$\int_{e^{64}}^{e^{25}} \frac{dx}{x\sqrt{\ln x}}$$

5) Evaluate the indefinite integral.

$$\int \sinh(1 + 4x) dx$$