

Name: _____

Date: _____

Remember: $\frac{d}{dx} \int_a^x f(t) * dt = f(x) * x'$ or $g'(x) = f(x) * x'$ (chain rule)

1. $y = \sin x * \ln x$

2. $y = \ln(\cos x)$

3. $\int \frac{1}{x} dx$

4. $\int_1^4 \frac{\cos x}{\sin x} dx$