

QUIZ 13

Name _____

1. Find $\int \frac{(\ln x)^2}{x} dx$

2. Let $y' = x^2 + x^{-1}$ and $y(1) = 3$. Find a specific formula for y .

3. Does the series $\sum_{n=0}^{\infty} \frac{3^n}{(2n)!}$ converge or diverge? Show your work.