

Name: \_\_\_\_\_  
AP Calculus AB

Date: \_\_\_\_\_  
Ms. Loughran

Do Now:

1. Given  $y = (1 + \sin^3(x^5))^{12}$ , find  $\frac{dy}{dx}$ .

2. Given  $f(x) = e^x - x$ , find  $f'(\ln 3)$ .