

Name: _____
AP Calculus AB

Date: _____
Ms. Loughran

Do Now:

Evaluate.

1. $\lim_{x \rightarrow \infty} \frac{\sqrt{x} - 4}{4 - 3\sqrt{x}}$

2. If $y = \sin^3(1 - 2x)$, find y' .

3. If $y = x^2 e^{\frac{1}{x}}$, find $\frac{dy}{dx}$.