

Name: _____
AP Calculus AB

Date: _____
Ms. Loughran

Do Now:

1. If $f(0) = 3$ and $f(x) = \sqrt{9 + \sin(2x)}$, then estimate the value of $f(0.06)$ using local linearization.

2. $\int (1 - \cos^2 x \sec x) dx =$

3. $\int ((x^2 + 2)(1 - x)) dx =$