

Name: _____
AP Calculus AB Homework

Date: _____
Ms. Loughran

Evaluate each of the following.

1. $\int_0^2 |2x - 3| dx$

2. $\int_0^{\frac{3\pi}{4}} |\cos x| dx$

3. $\int_{-2}^3 f(x) dx$, where $f(x) = \begin{cases} -x, & x \geq 0 \\ x^2, & x < 0 \end{cases}$

4. $\int_{-1}^1 |e^x - 1| dx$