

Name: _____

Student ID: _____

Introduction to Gradescope

Fall 2014 Midterm

Q1. Calculus

Q1.1 [3pt] What is the integral of x ?

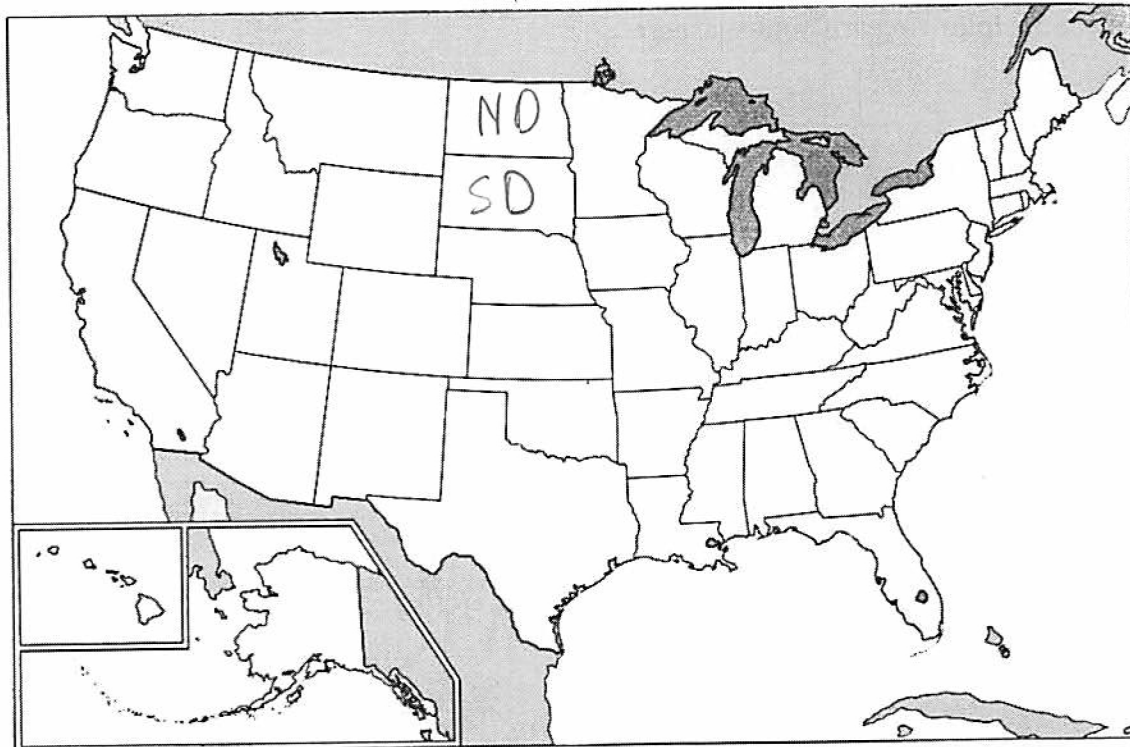
$$\frac{1}{2} x^2 + C$$

Q1.2 [3pt] What is the derivative of $\cos x$?

$$-\sin x$$

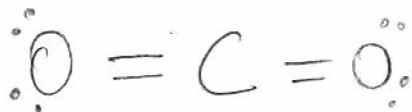
Q2. [2pt] United States Geography

Mark North Dakota and South Dakota on the map below.



Q3. Chemistry

Q3.1 [3pt] Draw the Lewis structure for CO_2 .



Q3.2 [1pt] Which of the following are noble gases?

☒ Argon

☒ Helium

☐ Oxygen

☐ Hydrogen