

Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

## Introduction to Gradescope

Fall 2014 Midterm

### Q1. Calculus

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

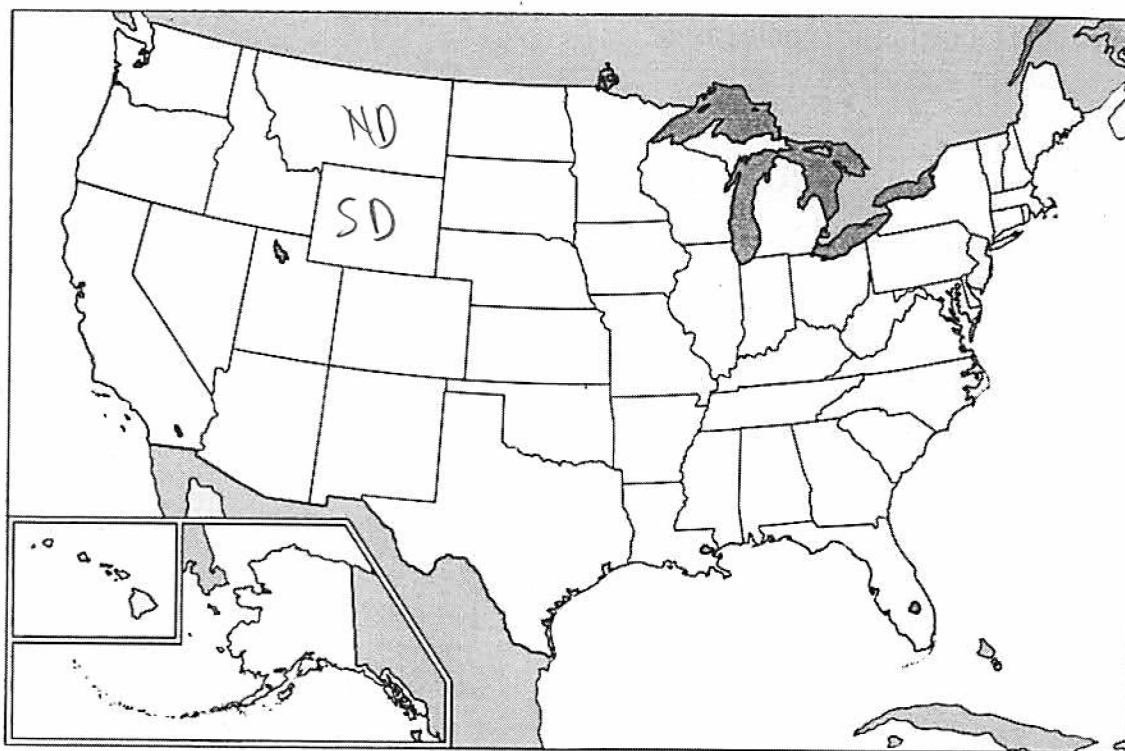
$$\frac{1}{2}x^2$$

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

$$-\sin x$$

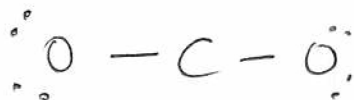
### Q2. [2pt] United States Geography

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