

This exam has 2 questions worth a total of 4 points.

Answer the questions in the spaces provided on the question sheets. If you run out of room for an answer, continue on the back of the page.

Name and section: _____

Instructor's name: _____

Question	Points	Score
1	3	
2	1	
Total:	4	

1. Find the derivatives with respect to x of the following functions:

(a) $y = x + 1$ [1/2]

Solution: $y' = 1$

(b) $y = x^3 + 4x^2 - x + 3$ [1]

Solution: $y' = 3x^2 + 8x - 1$

(c) $y = \cos(x^2)$ [1 1/2]

Solution: $y' = -2x \sin(x^2)$

2. Which of the following ingredients are used in mind-controlling cookies? [1]

arsenic

cyanide

curare

secret genetically modified sugar beet