THE UNIVERSITY OF AKRON Theoretical and Applied Mathematics

Calculus I

Test 1

Exam Record	
Page 1	_/ 43 pts
Page 2	_/ 42 pts
Page 3	47 pts (12 pts + 35 pts)
Page 4	_/ 15 pts
 Total:	_/ 147 pts
 Grade:	-

Name:

SID:

D. P. Story, Spring 2017

	Calculus I Spring 2017	Test 1	Name: D. P. Story	
			without error. If you make an err	or, points
(5 ^{pts})	1. This is an example of a objective question, the student fills in his/her response in the space below.			
(5^{pts})	2. An example of a fill-in question: It is well known that and are jointly credited as the founders of modern calculus.			
$(2_{\mathrm{ea.}}^{\mathrm{pts}})$	(a) If triangood n (b) 1 + 1 = come t (c) $(\forall x)(\exists x)$	nen to come to the aid of t = 3 iff $\sqrt{2}$ is a rational number the aid of their country.	mber. Now is the time for all good mbers). Now is the time for all good	od men to
15 ^{pts})		oints associated with each	em. It takes the optional argument 'n part using the \PTs command.	[\auto]'.

- (15^{pts}) \auto]'.
 - (b) (5 pts) This one is "half" as hard.
- (10^{pts}) 5. Select the correct answer for each of the following multiple choice. There is only one correct answer.
 - (a) (6 pts) In what year did Columbus sail (b) (4 pts) In what year did Columbus sail the ocean blue? the ocean blue?

1490	1491	1490
1492	1493	1491
		1492

1493

(5^{pts}) **6.** Which of the following best describes Augustin Cauchy?

He developed the Calculus while his University was closed for the plague.

Given credit for first using the functional notation f(x).

He created the "bell-shaped curve" and first used the method of least squares.

He first formulated a precise definition of the limit and continuity of a function.

Gave a rigorous definition of the definite integral—an integral that now bears his name.

His notation for the derivative and the integral is used even to this day.

(5^{pts}) 7. Which of the following are primary colors?

Blue

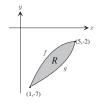
Green

Yellow

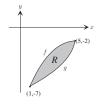
Orange

Red

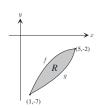
(5^{pts}) **8.** This is a question worth 5 points.



(7^{pts}) **9.** This is a question worth 7 points.



- $(10_{\rm ea.}^{\rm pts})$ 10. Answer each of the following questions.
 - (a) This is a question.



(b) This is a question.

(12^{pts}) 11. Solve each of the following. Work on the back of page 2.

- (a) This is a question. Be sure you don't (c) This is a question. make any error, I'm watching.

(b) This is a question.

(d) This is a question.

Part II. (50 points) The following is a short review of previously mastered material.

- (5^{pts}) 1. This is a question.
- (7^{pts}) **2.** This is a question.
- (8^{pts}) **3.** This is a question.
- (5^{pts}) **4.** This is a question.
- (10^{pts}) **5.** This is a question.

 (5^{pts}) **6.** This is a question.

(10^{pts}) 7. This is a question.