

Unit Summary: Vectors and calculus on curves

1. DESCRIPTION

Write a summary of the material covered on the first exam. In particular, Sections 12.1-12.4, 13.1-13.3, 13.5, 16.1-16.2. The summary should cover:

- (1) the theorems, definitions, and problem solving recipes;
- (2) problems chosen from the book (assigned or otherwise), quizzes or lecture;
- (3) connections among the various topics covered on this first exam.

2. ASSESSMENT

The summary will be graded on a 5 point scale. The grading will line up loosely with Bloom's taxonomy (check it out on wikipedia).

Remembering 1/5 points: (1) You've completed the assignment and it's somewhat comprehensive

Understanding 2/5 points: (1) You've completed the assignment and it's somewhat comprehensive; (2) theorems, definitions and recipes are described in your own words

Applying 3/5 points: (1) You've completed the assignment and it's somewhat comprehensive; (2) theorems, definitions and recipes are described in your own words; (3) the problems are well chosen in that they cover all the big ideas and aren't merely straightforward

Analyzing 4/5 points: (1) You've completed the assignment and it's somewhat comprehensive; (2) theorems, definitions and recipes are described in your own words; (3) the problems are well chosen in that they cover all the big ideas and aren't merely straightforward; (4) the connections between the various topics are well described and justified

Evaluating 5/5 points: (1) You've completed the assignment and it's somewhat comprehensive; (2) theorems, definitions and recipes are described in your own words; (3) the problems are well chosen in that they cover all the big ideas and aren't merely straightforward; (4) the connections between the various topics are well described and justified; (5) you ask and answer "Why?" questions when appropriate.

I imagine that this will take a couple of handwritten pages and will be due **February 6th**.