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# Math 153

## Winter 2017

Office Hours: M-F 9-9:50, 11-12:50 and by arrangement

### Special points of interest:

- Daily homework is assigned and corrected but not collected.
- All quizzes will be announced, worth 20 points, and cover assigned homework problems. Daily homework and hand written notes may be used during these quizzes. Quizzes may not be retaken. Missed quizzes cannot be made up without prior approval or a doctor's note.
- A handwritten 3 x 5 note card may be used on tests.
- We will have 3 100-point exams and a final worth 150 points. All tests are cumulative.
- The first 3 tests may be retaken outside of class time by arranging time with the instructor.
- Dates for exams and quizzes will be announced in class.
- Group homework assignments may be assigned and worth approximately 100 total points.
- Grades are based on total point percentages, calculated to the nearest whole number.

A=93%, B=83%, C=73%, D=63%

A minus grade would be (-3%) and a plus grade would be (+4%)

## Course Summary

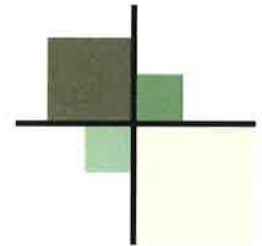
Precalculus I is a course that helps prepare students to take Calculus and Calculus-based science courses. Tests and homework assignments reflect the ability of students to handle rigorous assessments at the university level. Basic course goals include:

- Analyzing functions and equations numerically, algebraically, and graphically
- Modeling real-world problems with appropriate functions
- Understanding the transformation of functions and connection between

functions.

- Using technology to help solve problems, experiment, interpret results and verify conclusions.
- Determining the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement.
- Appreciating that the procedure for solving a problem is as important as the answer, and that a variety of procedures can be used to solve most problems.
- Communicating

knowledge in both everyday and mathematical language.



## Necessities

1. Come to class. Math, like foreign languages requires a daily commitment to become successful.
2. The required text is Precalculus 2nd Custom Edition by Michael Sullivan
3. You should also have a graphing calculator. ( I will be using a TI-84), a ruler, and graph paper.
4. Get yourself the help you need. I am more than happy to help you as much as possible. Beyond that, form study groups or get a study partner, and take advantage of the math center here on campus.
5. Participate in class discussions. The best learning takes place when students ask questions.
6. Mutual respect must take place at all times in this classroom. At no time will any type of bullying, harassment, or discrimination be allowed.
7. Students with special needs should contact me and the Center for Disability Services in Bouillon 140.

## Assigned Problems

### Section

### Exercises and Problems

#### On your own

<b>A.6</b>	<b>67, 69, 73, 81, 83, 87, 93-99 odd</b>
<b>1.3</b>	<b>47-51 odd</b>
<b>A.7</b>	<b>11-33 odd, 55-69 odd</b>

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#### Covered In Class

<b>A.3</b>	<b>61-67 odd</b>
<b>A.4</b>	<b>7-13 odd</b>
<b>2.1</b>	<b>19-25 odd, 31-35 odd, 39, 43-45, 51-75 odd, 79-83 odd, 91</b>
<b>2.2</b>	<b>11-17 odd, 25-29 odd</b>
<b>2.3</b>	<b>25-29 odd, 37-47 odd, 53-67 odd, 79</b>
<b>2.4</b>	<b>19-35 odd</b>
<b>2.5</b>	<b>7-30, 39-61 odd</b>
<b>2.6</b>	<b>7, 9, 10, 22-26</b>
<b>3.1</b>	<b>37, 41, 49, 51, 52</b>
<b>3.2</b>	<b>5-10, 17-21 odd</b>
<b>3.3</b>	<b>13-20, 21-45 odd, 55-69 odd, 81-87 odd</b>
<b>3.4</b>	<b>3, 7-17 odd, 25-29 odd</b>
<b>3.5</b>	<b>3, 4, 7-19 odd, 23, 33, 39, 41</b>
<b>4.1</b>	<b>17-27 odd, 43, 47, 57-67 odd, 78, 80, 81-97 odd, 121, 122</b>
<b>4.2</b>	<b>15-25 odd, 33, 34, 37, 39, 40, 45-55 odd</b>
<b>4.3</b>	<b>7, 9, 13, 17, 21, 23, 27, 29, 49, 55, 59</b>
<b>4.4</b>	<b>9, 11, 15-27 odd, 37-43 odd</b>
<b>4.5</b>	<b>33, 37, 39, 45-49 odd, 57-63 odd, 79</b>
<b>4.6</b>	<b>7-13 odd, 23, 25, 31-37 odd</b>
<b>5.1</b>	<b>13, 17, 29, 33, 35, 41, 43</b>
<b>5.2</b>	<b>35, 37, 41, 43, 51-73 odd</b>
<b>5.3</b>	<b>35-42, 43-53 odd, 63-81 odd</b>
<b>5.4</b>	<b>11-39 odd, 65-72, 89-111 odd</b>
<b>5.5</b>	<b>13-27 odd, 57-65 odd, 71-77 odd</b>
<b>5.6</b>	<b>1-93 odd</b>
<b>1.4</b>	<b>9-13 odd, 17, 19, 23-29 odd</b>