



**Sirindhorn International Institute of Technology**  
**Thammasat University**  
**Department of Common and Graduate Studies**

**MAS 116: Problem Set 2**

**Semester/Year:** 3/2008

**Course Title:** MAS116 (Mathematics I)

**Instructor:** Dr. Prapun Sukksompong (prapun@siit.tu.ac.th)

**Textbook:** Howard Anton, Irl Bivens, and Stephen Davis, *Calculus*, 8<sup>th</sup> Edition, Wiley (2005).

**Due date:** April 24 (Friday)

Section 2.3: 6, 10, 16, 18, 24, 32, 34, 40

Section 2.5: 6, 8, 12, 20, 24, 25, 30a, 30b

- For question 12 and 20, find ALL values of  $x$  in the (natural) domain of  $f$ , if any, at which  $f$  is not continuous.

Section 3.1: 14

Section 3.2: 10, 23

Section 3.3: 10, 64

Section 3.4: 6, 10, 14

**Remarks:**

1. Only ten of the above problems will be graded. Of course, you do not know which problems will be selected; so you should work on all of them.
2. Late submission will not be accepted.
3. Write down all the steps that you have done to obtain your answers. You will not get full credit even when your answer is correct without showing how you get your answer.

Please submit all homework in the MAS116 box in front of the CGS Department which is located on the 3rd floor of RS building.