

Mathematics s21 2007 - Day Eleven (Wednesday, 9 May)

1. 9:00-10:20
 - (a) Students present problems from homework.
 - (b) In groups of three, read section 5.2 and do exercise 5.2.2 and problems 5.2.4 and 5.2.6.
2. 10:20-10:35 Break
3. 10:35-11:30
 - (a) Students present exercises and problems from section 5.2.
 - (b) In the same groups, read section 5.3 and do exercises 5.3.3, 5.3.4, 5.3.5, 5.3.8, 5.3.9, 5.3.10 and problem 5.3.12.
4. 11:30-11:55 L^AT_EX
5. 11:55-1:00 Lunch
6. 1:00-3:00
 - (a) Continue working on section 5.3.
 - (b) Present exercises and problems from section 5.3.

Today's Key Ideas

Composition of functions

Inverse functions

Images

Inverse images

Homework

1. Let $f:A \rightarrow B$ be a one-to-one function and $g:B \rightarrow C$ be an onto function. Is $g \circ f$ necessarily one-to-one? Is it necessarily onto?
2. Do Problem 4 on page 131.
3. Do Problem 7 on page 132.
4. Do Problem 9 on page 132.
5. Do Problem 14 on page 132.
6. Do Problem 15 on page 133.
7. This week's L^AT_EX assignment is due tomorrow (10 May) at 1:00p.m..