REMARKS FOR 2009 EXAM

Question 1

In part (c), you should understand the word 'variety' as 'algebraic set'. You can skip part (d) since we didn't cover this proof.

Question 2

You can skip part (d) since we don't consider finite fields.

Question 3

In part (b), understand the phrase 'birationally equivalent' simply as 'birational'.

Question 4

In part (a), understand the word 'varieties' as 'algebraic sets'. You can skip parts (b), (c) and (d) since we don't consider fields of positive characteristics.