

MATH 6670, MOCK HOMEWORK OR EXAM

DUE FRIDAY, MAY 17

1–5. (Problems and Solutions) [10 points each] Think of five different questions that you feel would be appropriate for a (non-timed) exam on the material covered in class. (Essentially, write an exam or homework assignment for the class, as if you were teaching it.) Write solutions to each of your questions. You will be graded on *both* your questions and solutions.

Obviously, don't just copy examples or problems from a different algebraic geometry textbook verbatim if you want full credit; but if you can think of a way to put an interesting spin on such an example, you're more than welcome to. One suggestion for ideas: look to natural questions that you had during the course of the class, examples that illustrate theorems or concepts, or relaxing certain hypotheses to results you saw in the book or in class.

For each problem/solution beyond the required five, I will offer extra credit, up to 10 total questions. Beyond that, I will still take a look and offer feedback, but no further credit will be awarded.