

MATH 495 Monday 13 March

Abstract non-singular curves; genus for curves; Weil divisors on curves

To be discussed Friday 17 March / turned in Monday 27 March

- (1) Chapter I, exercise 6.1.
- (2) Chapter I, exercise 6.4.
- (3) Let X be a curve with function field K . Show that for $f, g \in K^*$, the corresponding principal divisors satisfy

$$(f/g) = (f) - (g).$$

- (4) Chapter III, exercise 5.3.