

### Weekly test III

Monday, 13th October 2014

**Ex. 1** Study domain, sign and axis-intercepts of the following function:

$$f(x) = \frac{x^2 + 5x + 4}{x^2 - 3x}$$

**Ex. 2** Study domain, sign and axis-intercepts of the following function:

$$\frac{\ln(x + 1)}{x}$$