

QUIZ 1

Time: 15min

1. Simplify

$$\ln(x^2 - 9) - \ln(x - 3) - \ln(x + 3).$$

2. Find dy/dx by logarithmic differentiation:

$$y = \frac{\sqrt{x + 13}}{(x - 4)(\sqrt[3]{2x + 1})}.$$

Each problem is worth 5pts.