

# MATHS EXAM

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ACHIA 4006 Deniss Gavrilovs

2103705

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i.  $y = 5x^4 + 5x^2 + 3x - 19$

$$\frac{dy}{dx} = 20x^3 + 10x + 3 - 0$$

ii.  $y = (2x+5)(x-1)$

~~dx~~  $y = 2x^2 - 2x + 5x - 5$

$$y = 2x^2 + 3x - 5$$

$$\frac{dy}{dx} = 4x + 3 - 0$$