

Mathematics in Economics

TASK 1 – 5 points

Name:

Find the derivatives:

a) $y = x^7 + 2x^3 - 15x + \cos x$

b) $y = (4x^5 - 2) \cdot \sin x$

c) $y = \frac{3x^5 + 1}{5x^4}$

d) $y = (6x^3 + 5x^2 - 5)^7$

e) $y = \ln(x^5 - 3x + 11)$