

Metodi Matematici per l'Economia

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Esercizi da Svolgere – DERIVATE

1) $f(x) = x^3 \cdot (x-2) \cdot (7x+1)$

2) $f(x) = \frac{x^3 \cdot (x+1)^4}{x-1}$

3) $f(x) = \frac{x-1}{x^2+1} + 2x^3$

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

5) $f(x) = \frac{17x(x+1)}{x^2-1}$

6) $f(x) = \frac{1}{\sqrt{x-1}}$

7) $f(x) = \sqrt{\frac{x}{4-x}}$

8) $f(x) = \sqrt{x(x-2)} + \sqrt{x^2-1}$

$$9) f(x) = x \cdot e^{\frac{x^2+1}{x}}$$

$$10) f(x) = x^{x^2-4} (1 - \lg x)$$

$$11) f(x) = \lg^2 \frac{x-1}{x+1}$$

$$12) f(x) = (x^2 + 1)^{x-1}$$