

EXERCÍCIOS – Derivadas

1) $y = x^6$

6) $y = \frac{x^4 + 5x^3 + 3x^2 + 2x + 6}{x}$

2) $y = \sqrt{x}$

7) $y = \frac{2}{x^3} + \frac{5}{x^2}$

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

8) $y = 3\sqrt{x} + 5\sqrt[3]{x} + 10$

4) $y = x^2 + 4x$

9) $y = 3.e^x + 4$

5) $y = x^2 \cdot x^{\frac{1}{2}}$

10) $y = 2.\ln x + x^2$



EXERCÍCIOS – Derivadas

1) $y = \frac{x + 1}{x - 1}$

6) $y = (2x^2 - 3x + 5)(2x - 1)$

2) $y = x^2 \cdot e^x$

7) $y = \text{sen}(3x)$

3) $y = \frac{\ln x}{4x^2}$

8) $y = e^{4x}$

4) $y = e^x \cdot \cos x$

9) $y = \sqrt{5x + 2}$

5) $y = \frac{4 - \text{sen}x}{e^x}$

10) $y = \sqrt{\text{sen}x + \cos x}$

11) $y = \ln(\text{sen}(3x))$