01 –

a) $2{,}5 = \left|\frac{x-2{,}45}{x}\right| * 100$

$$2{,}5 * |x| = |x - 2{,}45| * 100$$
$$|x| = \frac{100}{2{,}5} * |x - 2{,}45|$$
$$|x| = 40 * |x - 2{,}45|$$
$$|x| = |40x - 98|$$
$$|x| = 2.39024 \ldots$$
$$|x| = 2{,}3902$$

b) $Er = \left|\frac{2{,}3902-2{,}45}{2{,}3902}\right|$

$$Er = 0.025018 \ldots$$
$$Er = 0{,}025$$

c) $Ea = |2{,}3902 - 2{,}45|$

$$Ea = 0{,}0598$$

02 – $x1 = 5{,}6,\ x2 = 2{,}1$

$$f(x1, x2) = 2 * (5{,}6) * (2{,}1) - 3(2{,}1)^2 + \frac{(5{,}6)^2}{2{,}1}$$

$$f(x1, x2) = 23{,}52 - 3 * \left(\frac{21}{10}\right)^2 + \frac{\left(\frac{28}{5}\right)^2}{\frac{21}{10}}$$

$$f(x1, x2) = \frac{588}{25} - 3 * \frac{441}{100} + \frac{\frac{784}{25}}{\frac{21}{10}}$$

$$f(x1, x2) = \frac{588}{25} - \frac{1323}{100} + \frac{224}{15}$$

$$f(5{,}6\ ;\ 2{,}1) = \frac{7567}{300}\ ou\ 25{,}233 \ldots$$

03 –

a) ERRO NA ORIGEM

04 –

w) ERRO DE CONVERSÃO

05 – $Ea(x) = |x - x'| \quad => \quad 0{,}235 = |x - 0{,}835| \ => 0{,}235 + 0{,}83 = \ |x|$

$$|x| = 1{,}07$$