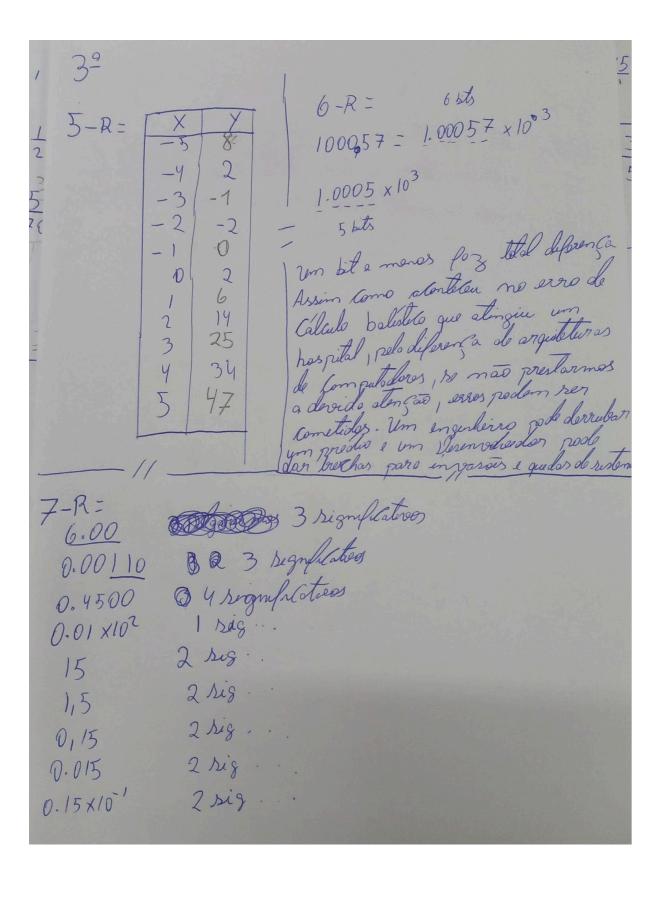
10 Cância de Computação Lista 1 - Calculo Nimerico Professor: Dr. José margues Pessoa Alino: Gustavo Camerino de Carvalho 1) al-R= 0.4567897 - 0.45687 b-R= 67.456789 -0 67.4568 P ( R= 12.677777 -> 12.6778) 2) R= Ea= 1xx+1-xx1<0.005// x2-2=0  $X = \pm \sqrt{27}$  $XK+1 = \frac{1}{2} \left( \frac{XK + 2}{XK} \right), K = 0, 1, 2, 3...$  $X1 = \frac{1}{2} \left( x^0 + \frac{2}{x^0} \right)$   $X1 = \frac{3}{2}$ X2= 17 12 577 - 17 - 1 × 3 = <u>577</u> 408 1 < 0.005 /

$$3-R = \mathcal{E}_{n}: \frac{|X|K+1-X|K}{|X|K+1-1} < 0.0001 |_{X|K+1=\frac{1}{2}} (|X|K+2) |_{X|K}$$

$$X0=1 |_{X|} \times 1=\frac{3}{2} |_{X|} \times 2=\frac{17}{12} |_{X|} \times 3=\frac{572}{408} |_{X|}$$

$$X4=\frac{1}{2} \left(\frac{577}{408} + \frac{816}{577}\right) = \frac{605857}{408} |_{X|} \times 1=\frac{1}{2} |_{X|K} \times 1=\frac{1}{2} |_$$



40 8-R= O lopis tom 6,45 Cm Como podemos ver, a linhe tracezado do final da lopis (Ronto marka no metale entre 6,4 e 6,5 logo é 6,45/