Use Newton-Rapson malked to find 100 rowt of 100 quation for = may some - 27 =0 which is close to o. f(2) = 32+ 8im -en : /(2) = 3+ Blonted. $a_1 = a_0 - \frac{4(a_0)}{4(a_0)} = 0 - \frac{3}{(a_0)} = 0.33333$ $\sqrt{3} = \sqrt{1 - 4(31)} = 0.33333 - (-0.068418) = 0.36014$ $n_3 = n_3 - \frac{1}{1(n_3)} = 0.36017 - \frac{(-6.279 \times 10^9)}{2.50226} = 0.3604217.$ After three iterations, the root is correct to three digits. digits. Note that the corred ofter three iteration as (72-72) is 0.0002517 which is about one-third of the square of the preceious error. je The president Roman 72-2, = 0.02684. One- Wird of Sprane of error = (0.02684) =0.0002401.