



Q 2 (v) = Jo artho dx 20

1. 2(a)= Jo I /1+6 dt

= I h (t+(I+t)) | d

= // (x(X+(I+x)).

1. 2(4)

 $= \int_{0}^{\pi} \frac{dx}{1 + \alpha^{2} \cos X}$ 

to to to A) do = dx

2/1 x) = 100 x + (++++)

= 1 arcty 11td 0

= T/- /Hd