

Since ton has period IT we have 0 = arcten(x) + kt for some integer Q (3.0) = (1, -1) A 0 = artan(-1) + k = - 1/4 + k = 1 = - 1/4 + k = 1 = 1/4 & (m, m) = (-1, 1) A D = arctan (-1) + l 1 = - That kir = 3 The ZNO ATRIPET: Choice of Oudrant is simpler resign areces $0 = \arctan(\sqrt{x}) + 2k\pi \quad \text{as coshas period } 2\pi$ FORMULA IF $(x,y) \pm (0, 0)$ That 1 $O = \begin{cases} are cos \\ \sqrt{34y^2} \end{cases} | F | y > 0 \\ -1 + cos cos \\ \sqrt{37y^2} \end{cases} | F | y < 0,$ CHECK IT FOR YOURCER !!



