```
CHUKEUCOI
1 00
        2n+1 = 2n - (os xn Sin xn + Rcos xn
       Den+1 = Zen - Cos Xn [sinxn+ Rcos xn]
   Neuton's formula:
                       2n+1 = >(n - f(xn)
 xn - f(xn) = xn - cosxn [Sin xn + Rcosxn
-fixn) = 0 - cos xn [Sin xn + Rcos xn]
f'(xn)
 fexan = cos xn [ sin xn + Rcos xn]
 f (sin)
        = \frac{1}{8} \operatorname{Sin}(2x) = \frac{1}{2} R\left(-1 - \cos 2x\right)
   i. => f(xn) = Sec xn [Rcos Xn + Sin Xn]
           f(xn) = fan Xn + R
f(x) = fan Xn + T f(x) = fanx + R
```

(b)
To solve for >c given R

>c = fan-1(R).