Ing Mal CZ tagy Yuxuan ub 76 alul A12, An freijegelen

wegen abgabeformat.(6-1

A 12 ai)  $coa(3x) = coa^3(x)$   $ain(3x) = -ain^3(x) : i$ 

 $ain(3x) = ain(x) con^{2}(x) - ain^{3}(x) + 2 ain(x) con^{2}(x)$ 

 $\cos (3x) = \cos^3(x) - \sin^2(x) - 2 \sin^2(x) \cos(x)$ 

(1)  $\sin(x)(\cos^2(x) - \sin^2(x)) + 2\cos^2(x)) =$ 

ain (1)(1 - 1)(1)(x) - 1)(1)(x) + 2 - 2 ain2(x) =

 $ain(x)(3-4 ain^2(x)) = ain(3x)$ 

iii) liansup \$ [K1+2] = lian . \$ K!+2 = 0 -> R=0

iv) 4= x4

4/2k = 2 k→00 2 ⇒ Die gegebene Reihe (iv) hah den k Radius 4/2

6) Ry = 100 up 1/4/3.1/k, 14. 1/k! +1 = 2 Rx= 1 -3 = -1 28