Sin & Cos Error 
$$\bigcirc$$
 X = 1/N  
Sin(x) = x -  $\frac{1}{3!}$  +  $\frac{1}{5!}$  -  $\frac{1}{7!}$  +  $\frac{1}{5!}$  -  $\frac{1}{5!}$  +  $\frac{1}{5!}$  -  $\frac{1}{5!}$  +  $\frac{1}{5!}$  -  $\frac{1}{5!}$  -

$$Cos(x) \approx 1 - \frac{x^2}{2}$$

UPPER Sound

$$\frac{1}{1-\frac{3i}{1-3}}+\frac{4i}{1-\frac{3i}{1-3}}-\frac{1}{1-\frac{3i}{1-3}}+\frac{1}{1-\frac{3i}{1-3}}$$

Euch QC) 
$$6 \times = n = 4i \cdot n$$

$$\begin{array}{c}
5i \\
(n) \\
(n)
\end{array}$$

$$\begin{array}{c}
-1 \\
(n) \\
-1
\end{array}$$

Error 
$$O(0) = \frac{1}{6N^2}$$
  $O(\sqrt{2})$ 

$$Cos(x) = |-\frac{x^2}{2!} + \frac{x^4}{4!} \dots$$

Approx  $Cos(x) \approx |-\frac{x^2}{2}|$ 

$$Error O(0) \approx |x| = |x$$