According to Taylor series,
$$\cos(x) = \lim_{n \to \infty} \sum_{i=1}^{n} (-1)^{i-1} \frac{(\lambda)^{2(i-1)}}{\{2(i-1)\}!}$$

1)
$$\cos(0.5) = 1 - \frac{0.5^2}{2!} = 0.8750000$$

2)
$$\cos(0.5) = 1 - \frac{0.5^2}{2!} + \frac{0.5^4}{4!} = 0.8776042$$

3)
$$(05)(0.5) = 1 - \frac{0.5^2}{2!} + \frac{0.5^4}{4!} - \frac{0.5^6}{6!} = 0.8775825$$

4)
$$\cos(0.5) = 1 - \frac{0.5^2}{2!} + \frac{0.5^4}{4!} - \frac{0.5^6}{6!} + \frac{0.5^6}{8!} = 0.8795826$$

5)
$$\cos(0.5) = 1 - \frac{0.5}{2!} + \frac{0.5}{4!} - \frac{0.5}{6!} + \frac{0.5}{8!} - \frac{0.5}{10!} = 0.8175826$$

$$=)$$
 $Cos(0.5) = 0.8775826$