(1)
$$N=11 \Rightarrow T_{0}=\frac{2\pi}{44} \times = \times \times I_{0} = \frac{1}{2} \cos\left(\frac{6\pi}{14}\pi\right) - 2 \sin\left(\frac{8\pi}{14}\pi\right)$$

(a) $N=14 \Rightarrow T_{0}=\frac{2\pi}{44} \times = \times \times I_{0} = \frac{1}{2} \cos\left(\frac{6\pi}{14}\pi\right) - 2 \sin\left(\frac{8\pi}{14}\pi\right)$

(b) $N=14 \Rightarrow T_{0}=\frac{2\pi}{44} \times = \times \times I_{0} = \frac{1}{4} \cos\left(\frac{6\pi}{14}\pi\right) + 2 \sin\left(\frac{8\pi}{14}\pi\right) + 2 \sin\left(\frac{8\pi}{14}\pi\right)$

(a) $=\frac{1}{14} \sum_{n=0}^{14} \frac{1}{14} \sum_{n=0}^{14} \frac{1}{14} \cos\left(\frac{14\pi}{14}\pi\right) + 2 \sin\left(\frac{\pi}{14}\pi\right) + \frac{1}{14} \frac{1}{14} \cos\left(\frac{14\pi}{14}\pi\right) + \frac{1}{14} \cos\left(\frac{14\pi}{$

There is no aliasing