1.1b)
$$y(t) = \int_{0}^{t} \frac{1}{4} - \frac{1}{4} \int_{0.25}^{t} \frac{1}{4} \leq 0.25$$

$$T = 1 \qquad T = 4T_{1}$$

$$a_{k} = \int_{0.25}^{t} \frac{1}{4} \int_{0.25}^{t}$$

ak = [1 Sin 27kt] 0.25 6.25 Kt dt $G E = \frac{1}{4\pi K} Sin(\frac{TK}{L}) - 2(t costaktd)$ $- \frac{0.25}{3in2\pi kt}$ $- \frac{3in2\pi kt}{3in2\pi kt}$ ak = sin(1) - 2 ((0:25) sin(1) + (0:25) kt) 0.25) SINTE - SINTE - 2 (COSTE - 1)

47 K 472K2 472K2 $a_{k}=1-600 \frac{\pi k}{2\pi^{2}k^{2}}$