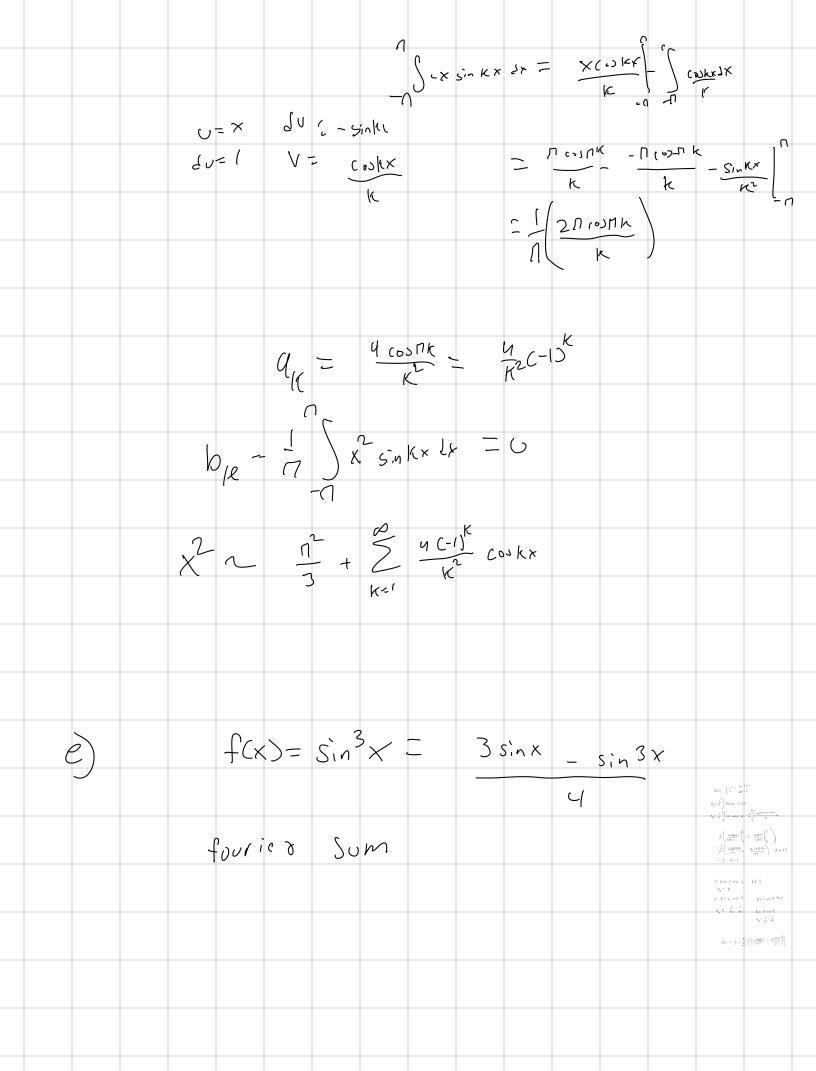
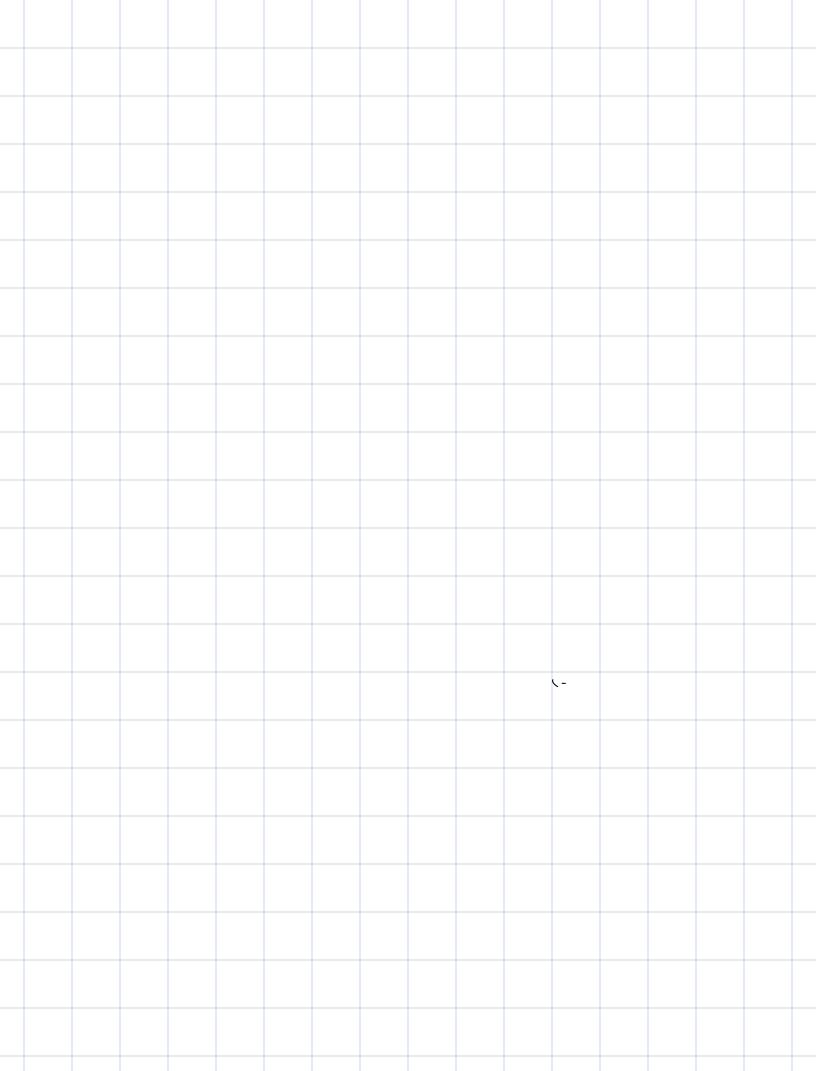
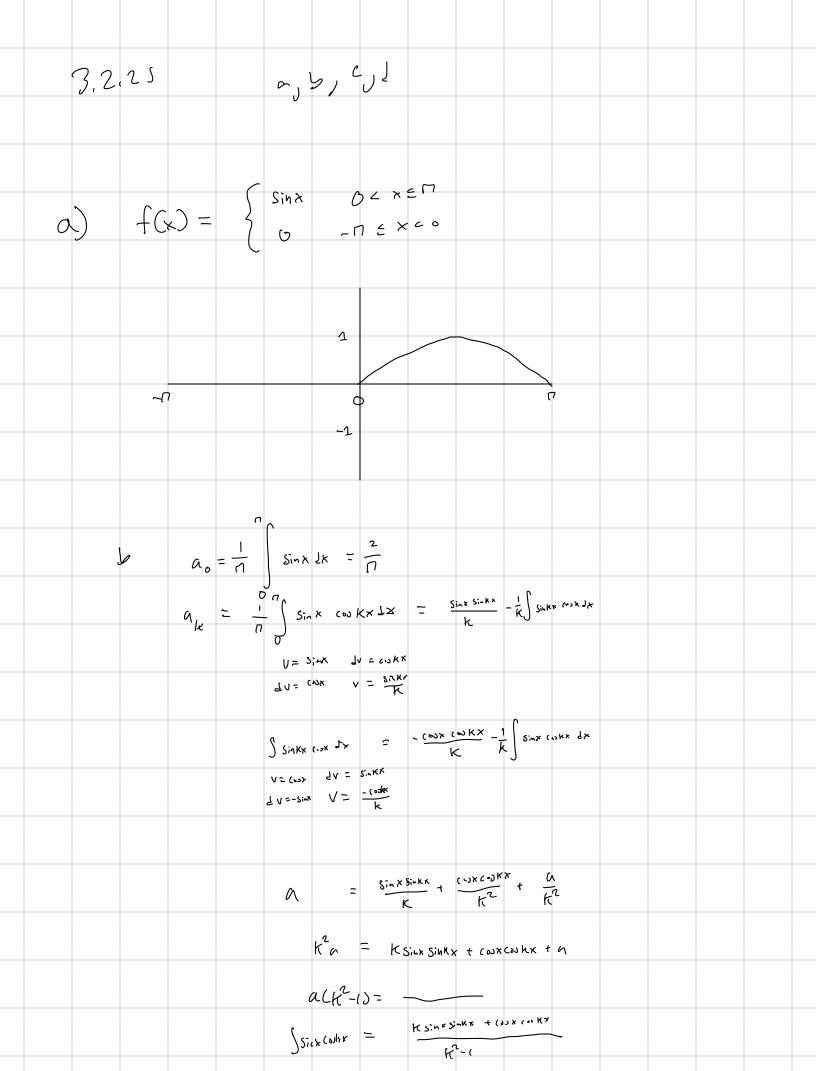
3.7. 1 (b), (d), (e)

$$|x| = \frac{1}{10} \int_{0}^{10} |x| dx = \frac{1}{10} \int_{0}^$$

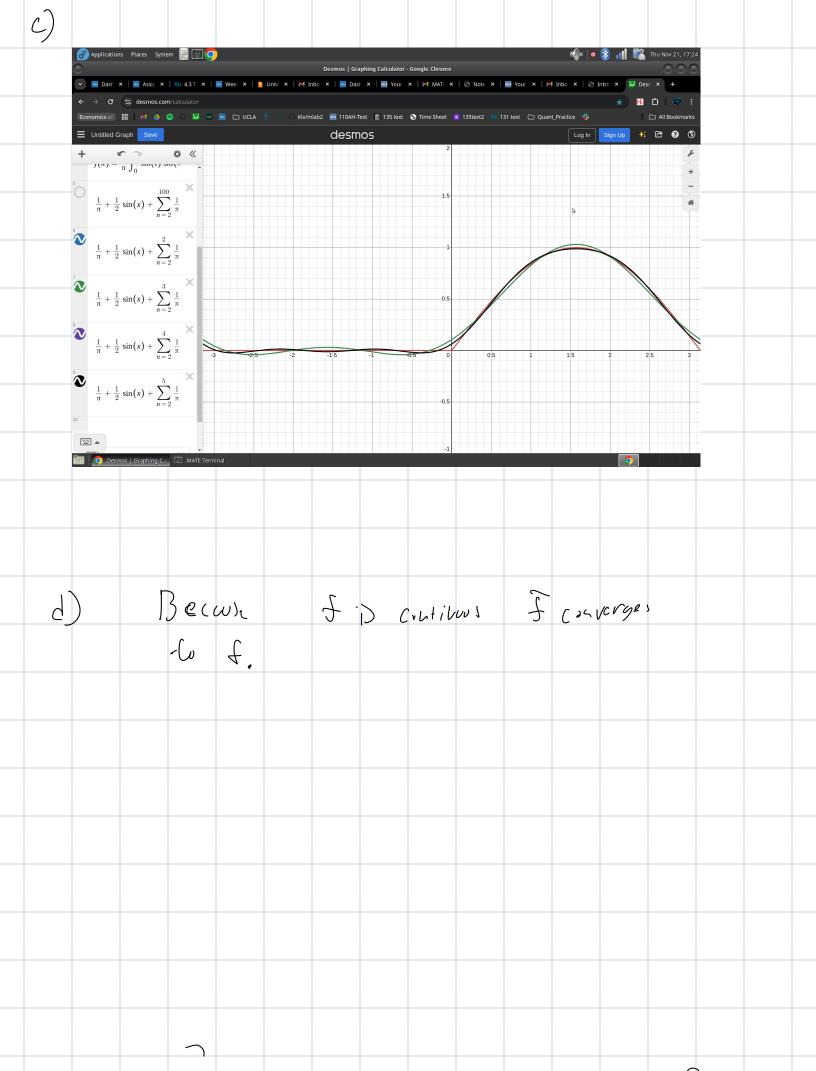






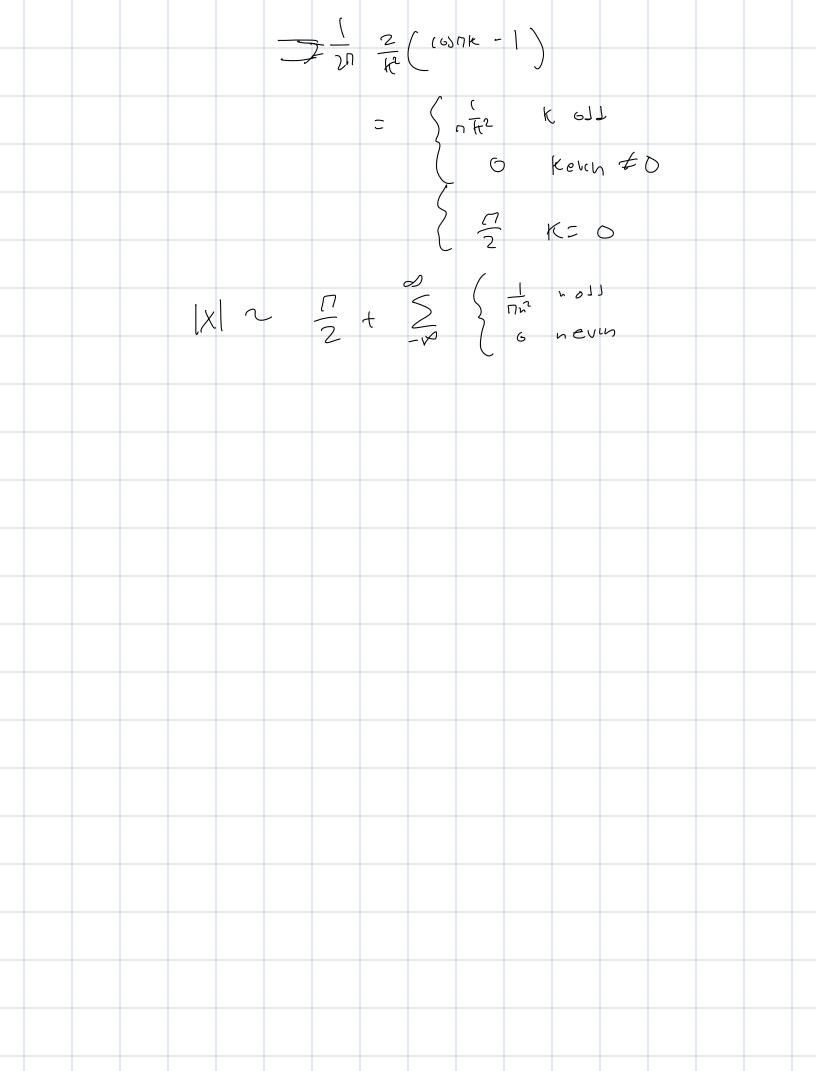
$$\frac{1}{n} \int_{0}^{n} s_{N} c_{N} k = \frac{1}{n} \left(\frac{-c_{N} k_{1}}{k_{1}} \right)$$

$$= \frac$$



$$S_{1} = -\frac{3}{8i} \qquad C_{2} = \frac{3}{6i} \qquad C_{3} = \frac{1}{8i}$$

$$S_{1} \times C_{1} = \frac{3}{8i} \qquad S_{1} \times S_{1} \times S_{2} \times S_{3} \times S_{4} \times$$



$$3.2.$$

$$5(R) = \chi e^{iR}$$

$$C_{R} = \frac{1}{2\pi} \int_{\Omega} \chi e^{ig} e^{-iW}$$

$$\int_{K} \chi e^{ig} e^{-iW}$$

$$= \frac{1}{2\pi} \int_{\Gamma} \frac{1}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k \cdot k} + \frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{1}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k \cdot k} - \frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k \cdot k} \right) - \frac{i \cdot n \cdot k}{i \cdot k \cdot k \cdot k} \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k \cdot k} \right) \right) - \frac{i \cdot n \cdot k}{i \cdot k \cdot k \cdot k} \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k \cdot k} \right) \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k \cdot k} \right) \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k \cdot k} \right) \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k}{i \cdot k \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k}{i \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k}{i \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k}{i \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma(1-1)} \left(\frac{i \cdot k \cdot k}{i \cdot k} - \frac{i \cdot k \cdot k}{i \cdot k} \right) \right)$$

$$= \frac{1}{2\pi} \left(\frac{2i}{\Gamma(1-1)} \left(\frac{1}{\Gamma$$

$$x = \frac{1}{2} = \frac{x^{2} + x^{2}}{2} = \frac{x^{2$$

