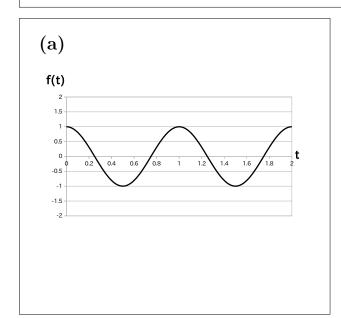
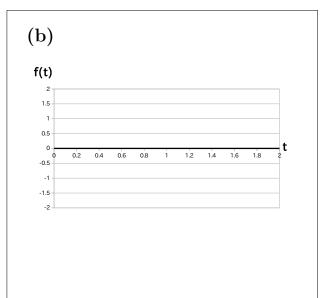
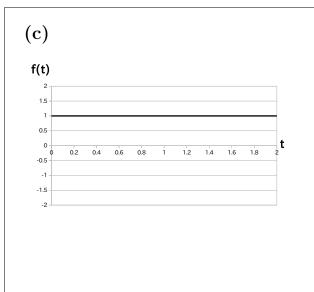
# Q1 (10 点)

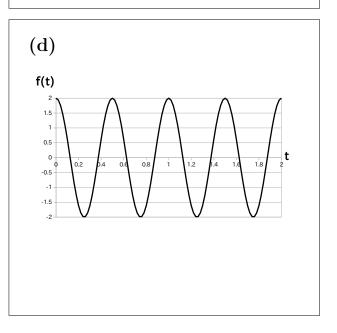
ID: text01/page03/001

$$f(t) = 0 + 1 \cdot \cos(1 \cdot (2\pi) \cdot t + 0) + 2 \cdot \cos(2 \cdot (2\pi) \cdot t + 0)$$





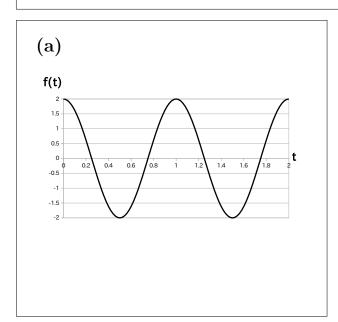


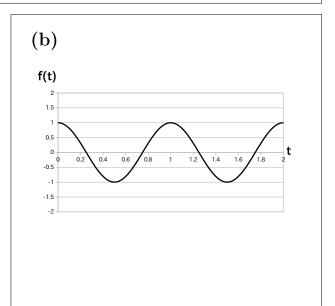


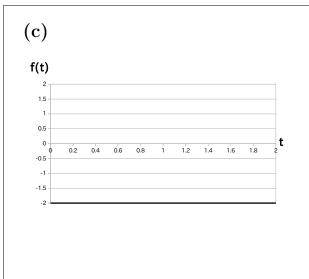
### Q2 (10 点)

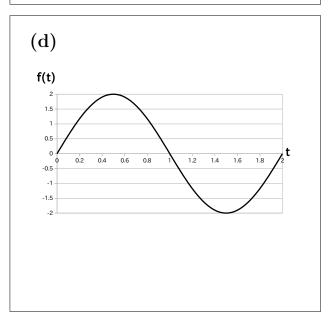
ID: text01/page03/002

$$f(t) = -2 + 2 \cdot \cos(1 \cdot (\pi) \cdot t - \pi/2) + 1 \cdot \cos(2 \cdot (\pi) \cdot t)$$





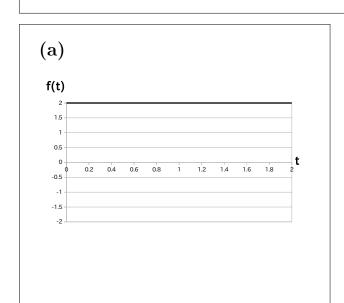


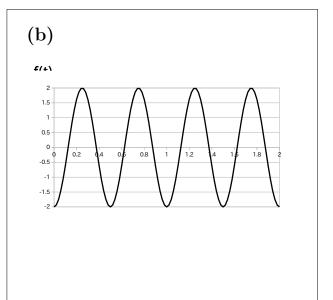


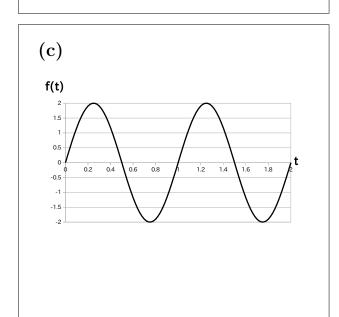
### Q3 (10 点)

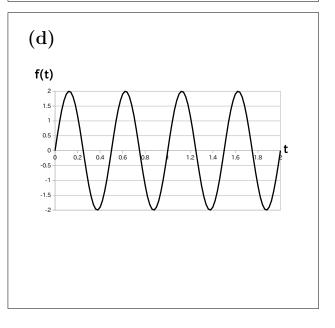
ID: text01/page03/003

$$f(t) = 2 + 2 \cdot \cos(2\pi \cdot t) - 2 \cdot \cos(2 \cdot 2\pi \cdot t)$$





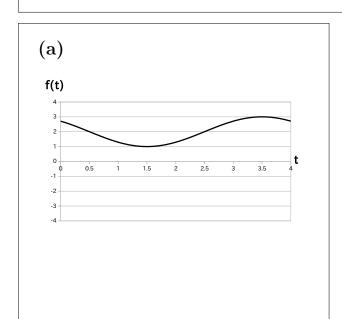


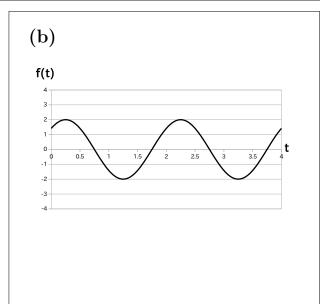


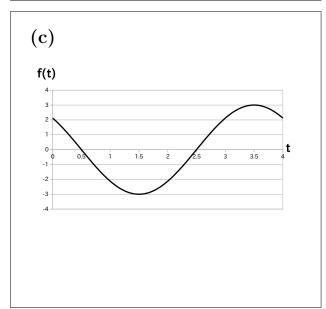
# Q4 (10 点)

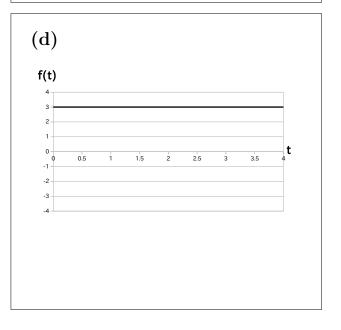
ID: text01/page03/004

$$f(t) = 3 + 3 \cdot \cos(\pi/2 \cdot t + \pi/4) + 2 \cdot \cos(2 \cdot \pi/2 \cdot t - \pi/4)$$





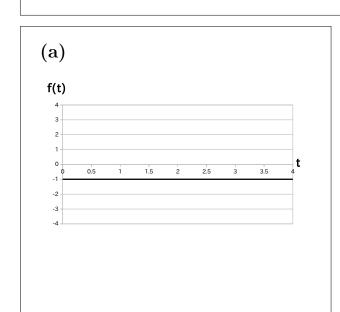


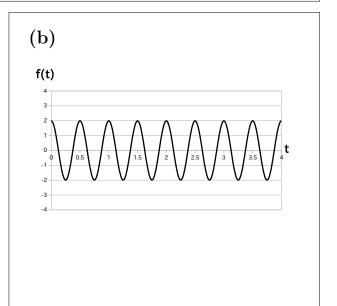


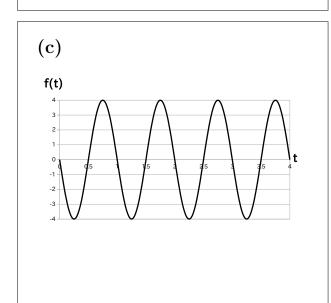
# Q5 (10 点)

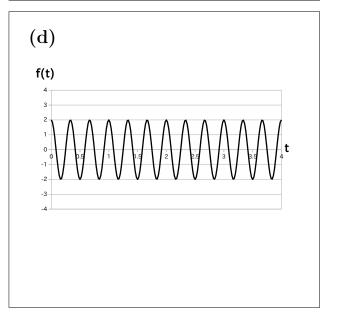
ID: text01/page03/005

$$f(t) = -1 + 4 \cdot \cos(2\pi \cdot t + \pi/2) + 2 \cdot \cos(3 \cdot 2\pi \cdot t)$$





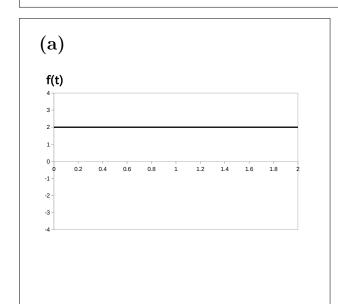


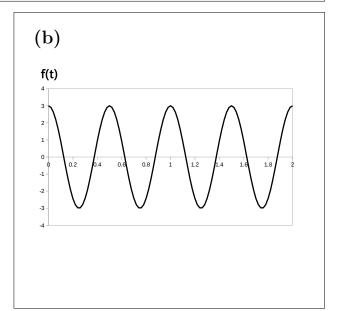


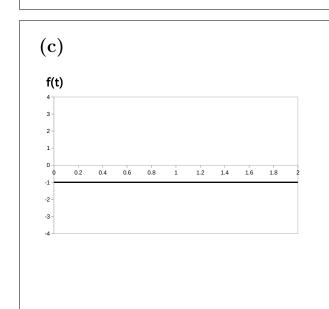
# Q6 (10 点)

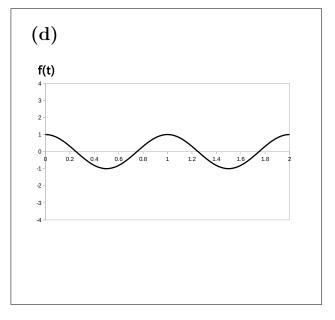
ID: text01/page03/006

$$f(t) = 2 - 1 \cdot \cos(1 \cdot 2\pi \cdot t) + 3 \cdot \cos(2 \cdot 2\pi \cdot t)$$





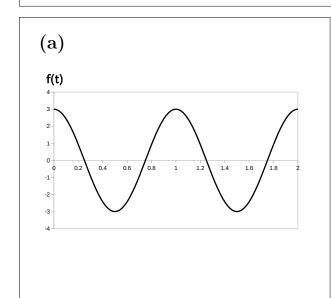


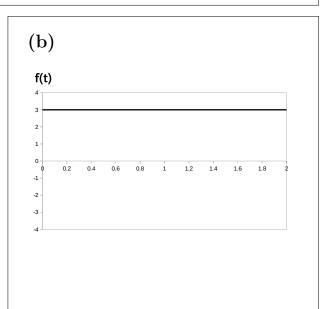


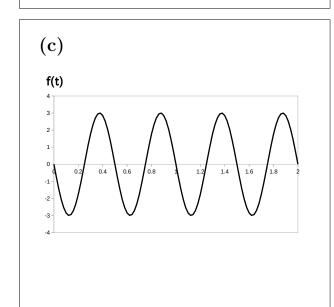
# Q7 (10 点)

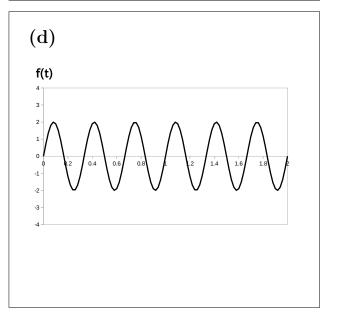
ID: text01/page03/007

$$f(t) = -2 + 2 \cdot \cos(1 \cdot 2\pi \cdot t) + 3 \cdot \cos(2 \cdot 2\pi \cdot t + \pi/2)$$





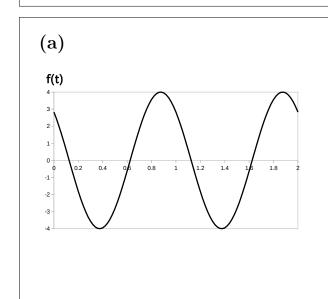


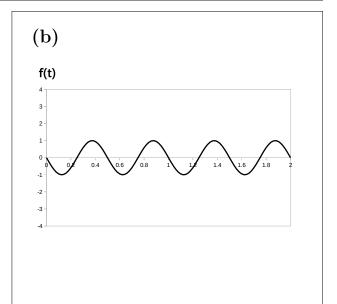


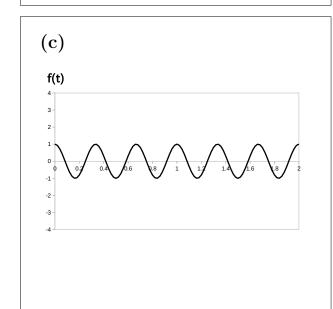
# Q8 (10 点)

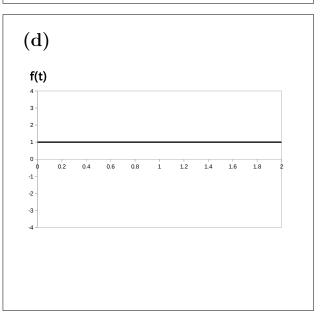
ID: text01/page03/008

$$f(t) = 1 + 4 \cdot \cos(1 \cdot 2\pi \cdot t + \pi/4) - 1 \cdot \cos(2 \cdot 2\pi \cdot t - \pi/2)$$





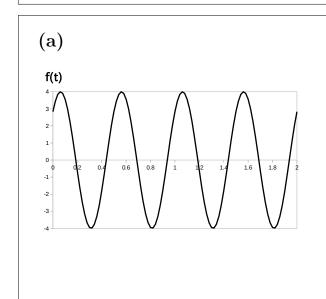


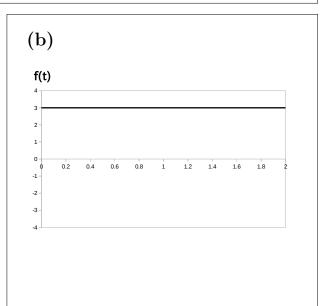


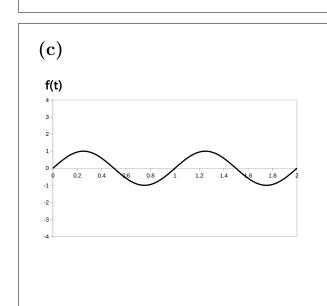
### Q9 (10 点)

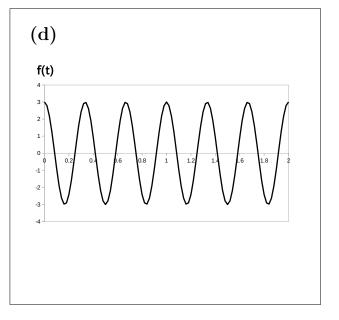
ID: text01/page03/009

$$f(t) = 3 - 1 \cdot \cos(1 \cdot 2\pi \cdot t + \pi/2) + 4 \cdot \cos(2 \cdot 2\pi \cdot t - \pi/4)$$





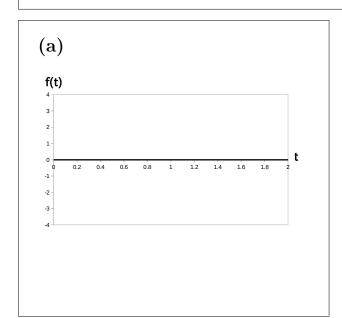


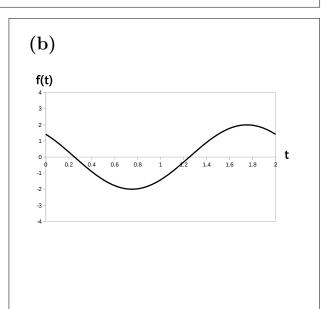


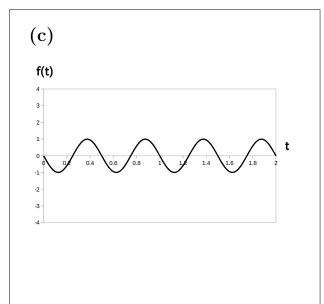
# Q10 (10点)

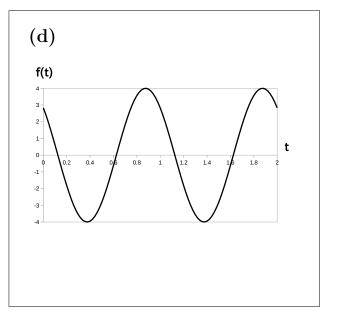
ID: text01/page03/010

$$f(t) = 0 + 2 \cdot \cos(1 \cdot (1 \cdot \pi) \cdot t + \pi/4) - 1 \cdot \cos(2 \cdot (1 \cdot \pi) \cdot t + \pi/2)$$





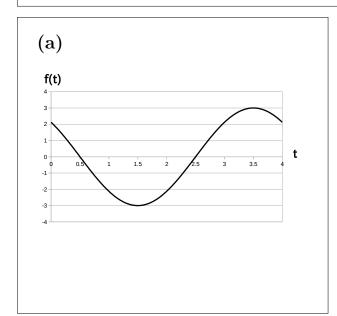


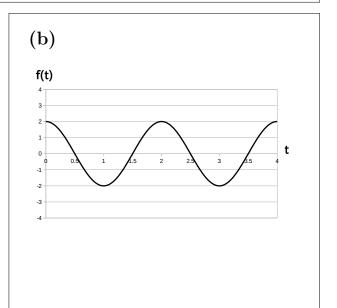


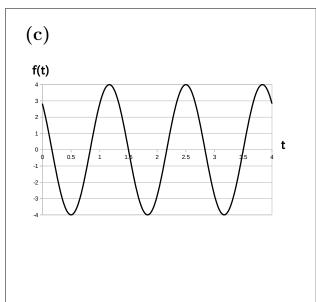
# Q11 (10 点)

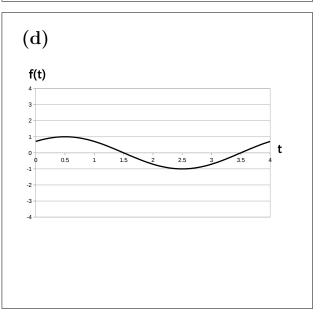
ID: text01/page03/011

$$f(t) = 1 + 1 \cdot \cos(1 \cdot (\pi/2) \cdot t - \pi/4) + 2 \cdot \cos(2 \cdot (\pi/2) \cdot t + \pi/4)$$





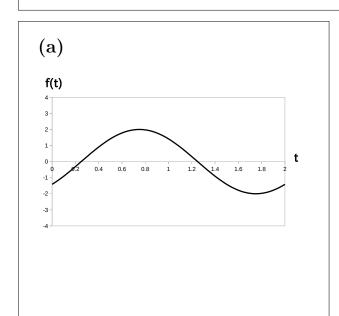


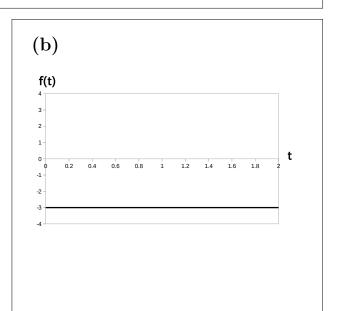


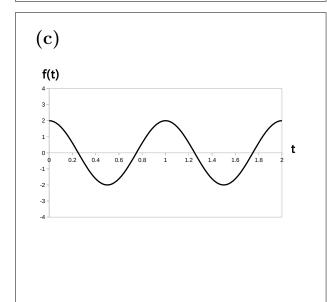
# Q12 (10 点)

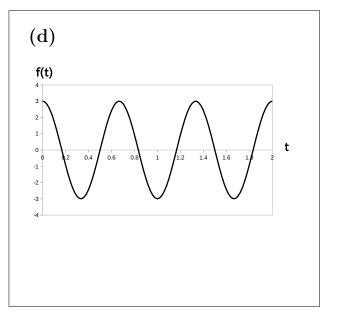
ID: text01/page03/012

$$f(t) = -3 - 3 \cdot \cos(1 \cdot (1 \cdot \pi) \cdot t)$$





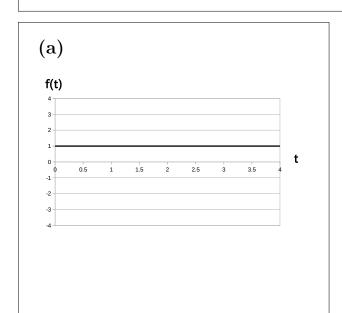


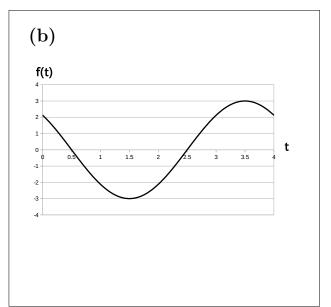


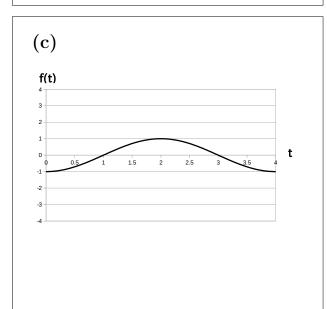
### Q13 (10 点)

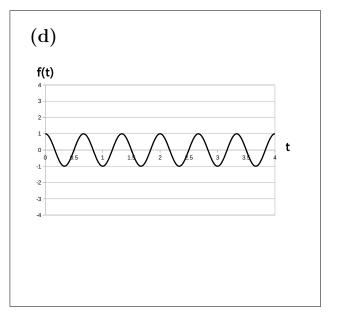
ID: text01/page03/013

$$f(t) = 0 + 2 \cdot \cos(1 \cdot (1 \cdot \pi) \cdot t + \pi/2) + 0 + 1 \cdot \cos(3 \cdot (1 \cdot \pi) \cdot t)$$





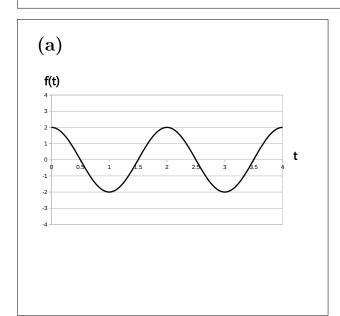


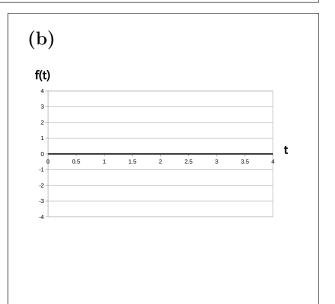


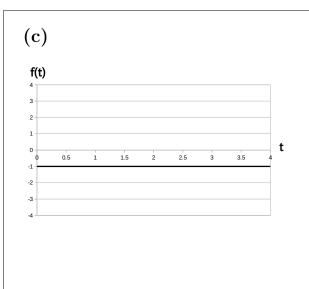
# Q14 (10 点)

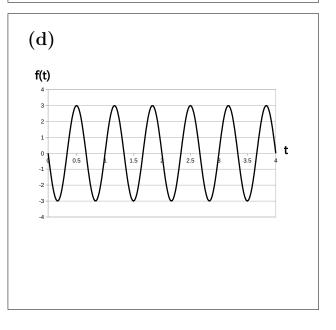
ID: text01/page03/014

$$f(t) = -1 + 2 \cdot \cos(1 \cdot (\pi) \cdot t) + 0 + 3 \cdot \cos(3 \cdot (\pi) \cdot t + \pi/2)$$





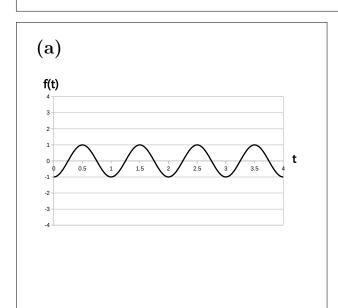


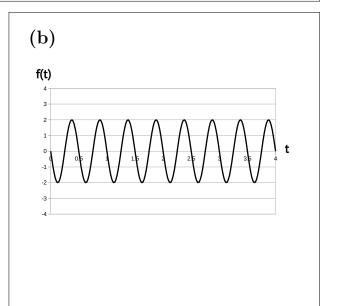


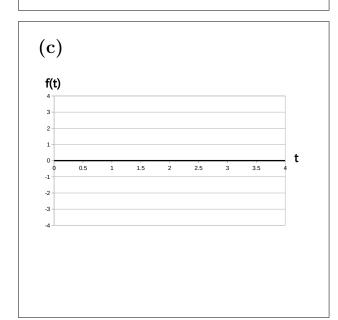
# Q15 (10 点)

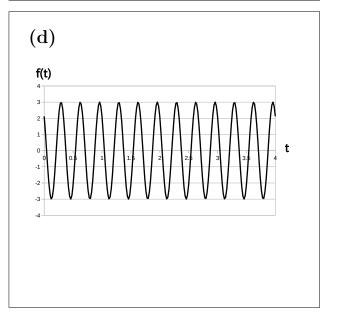
ID: text01/page03/015

$$f(t) = 0 + 1 \cdot \cos(1 \cdot (2\pi) \cdot t + \pi) + 2 \cdot \cos(2 \cdot (2\pi) \cdot t + \pi/2)$$





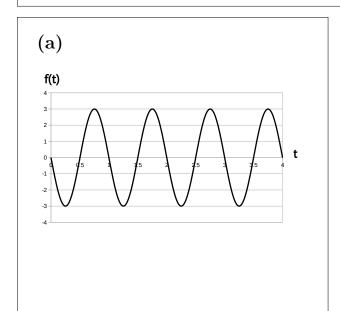


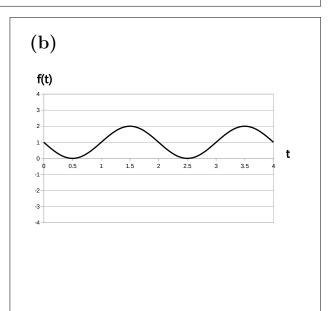


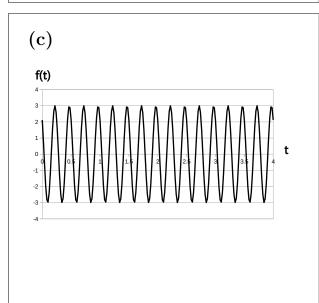
# Q16 (10 点)

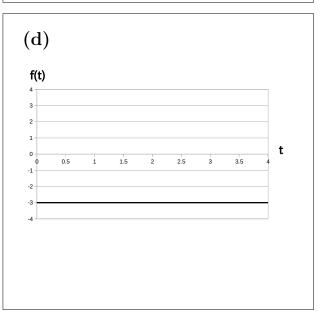
ID: text01/page03/016

$$f(t) = -4 + 3 \cdot \cos(1 \cdot (2\pi) \cdot t + \pi/2) + 4 \cdot \cos(2 \cdot (2\pi) \cdot t - \pi/2)$$





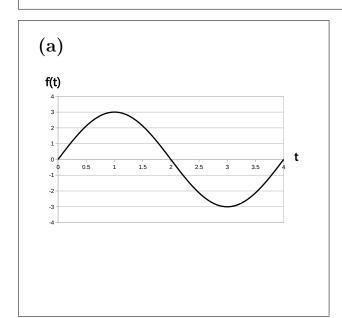


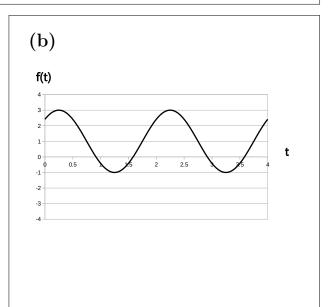


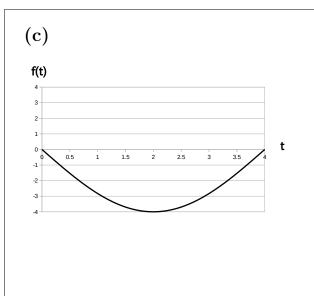
# Q17 (10 点)

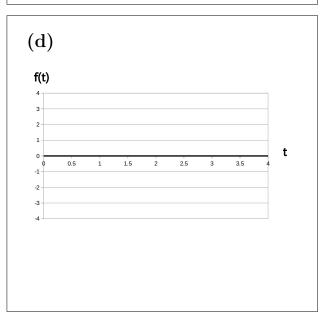
ID: text01/page03/017

$$f(t) = 0 + 4 \cdot \cos(1 \cdot (\pi/4) \cdot t + \pi/2) + 3 \cdot \cos(2 \cdot (\pi/4) \cdot t - \pi/2)$$





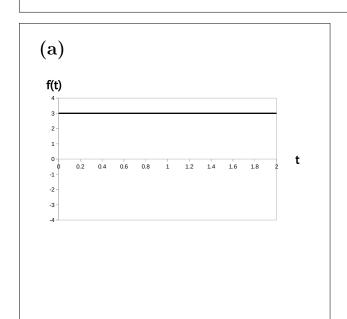


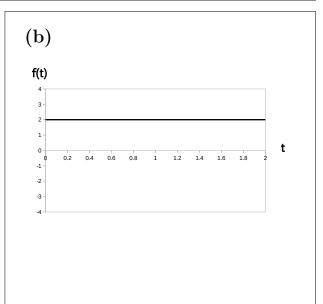


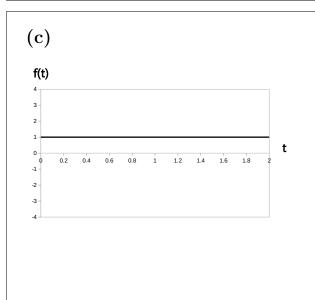
### Q18 (10 点)

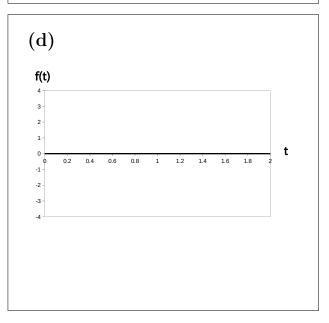
ID: text01/page03/018

$$f(t) = 3 + 2 \cdot \cos(1 \cdot (2\pi) \cdot t) + 1 \cdot \cos(2 \cdot (2\pi) \cdot t + \pi/8)$$









### Q19 (10点)

ID: text01/page03/019

$$f(t) = \frac{1}{2} + 2 \cdot \cos\left(1 \cdot (\pi) \cdot t + \frac{\pi}{2}\right) + 3 \cdot \cos\left(2 \cdot (\pi) \cdot t - \frac{\pi}{2}\right)$$

