過去問一覧

Q1　(10 点)

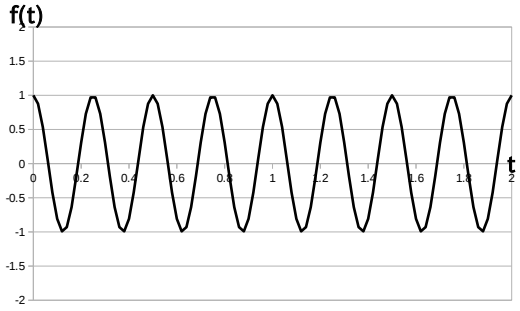
ID: text01/page05/001

時間領域アナログサイン波

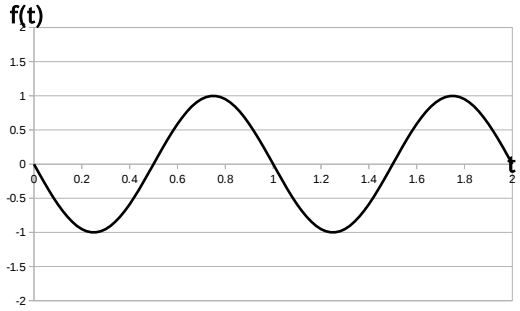
$$f(t) = -1 \cdot \sin(2\pi \cdot t)$$

の位相を反転させたグラフを選択肢 a〜d の中から 1 つ選びなさい。

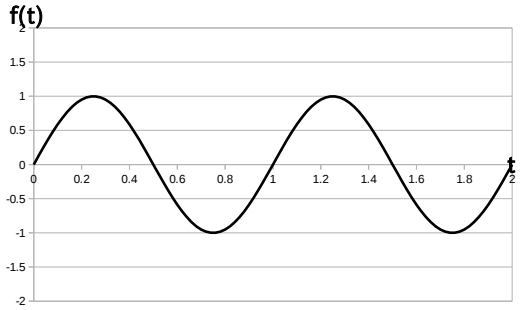
(a)



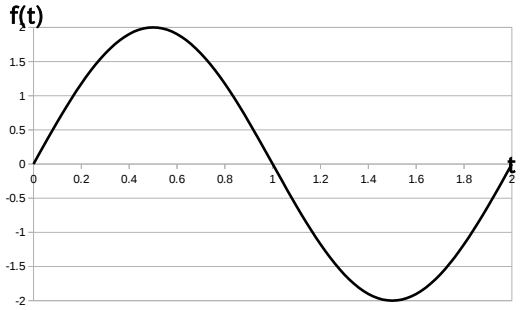
(b)



(c)



(d)



Q2　(10 点)

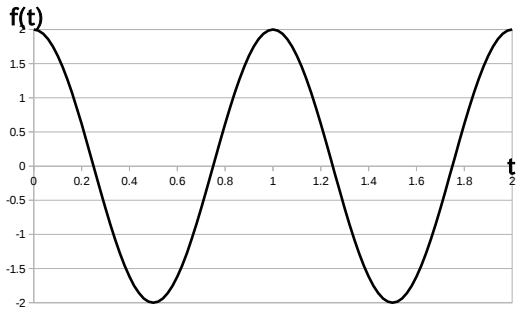
ID: text01/page05/002

時間領域アナログサイン波

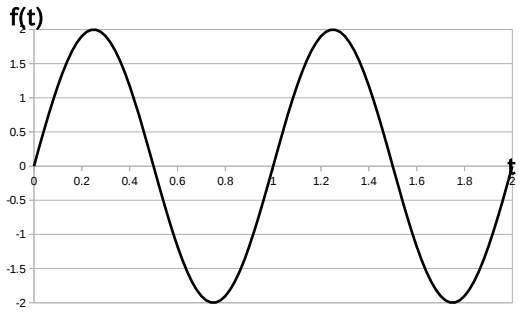
$$f(t) = 2 \cdot \cos(2\pi \cdot t)$$

の位相を反転させたグラフを選択肢 a〜d の中から 1 つ選びなさい。

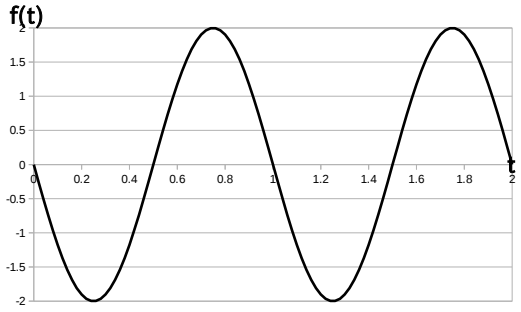
(a)



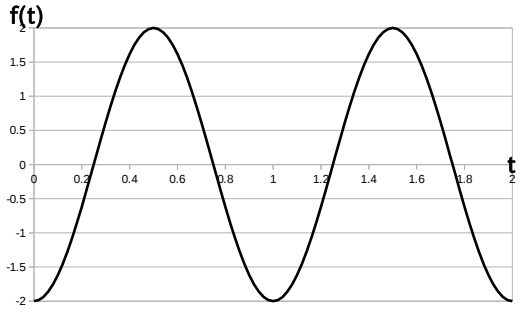
(b)



(c)



(d)



Q3　(10 点)

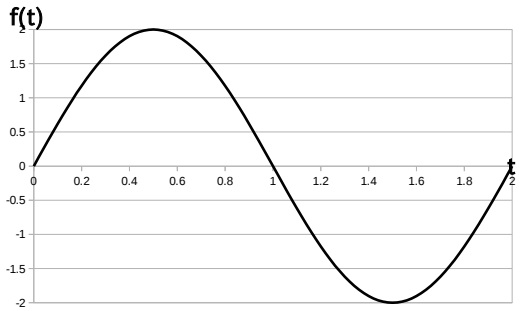
ID: text01/page05/003

時間領域アナログサイン波

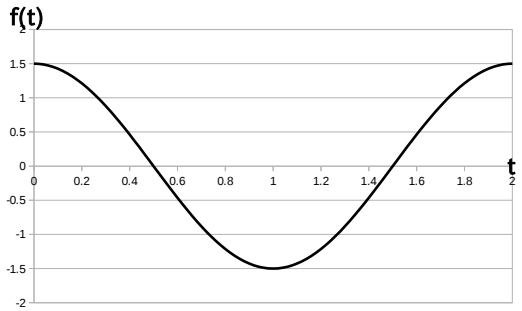
$$f(t) = 1.5 \cdot \sin(\pi \cdot t)$$

の位相を反転させたグラフを選択肢 a〜d の中から 1 つ選びなさい。

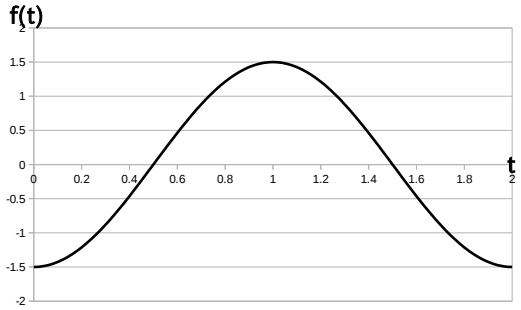
(a)



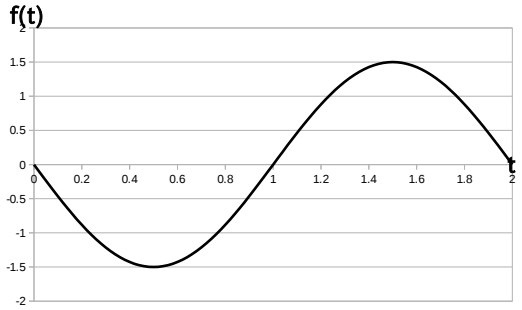
(b)



(c)



(d)



Q4　(10 点)

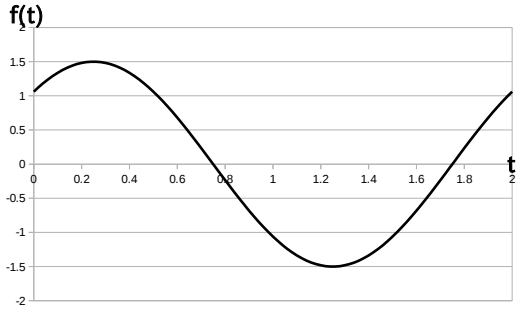
ID: text01/page05/004

時間領域アナログサイン波

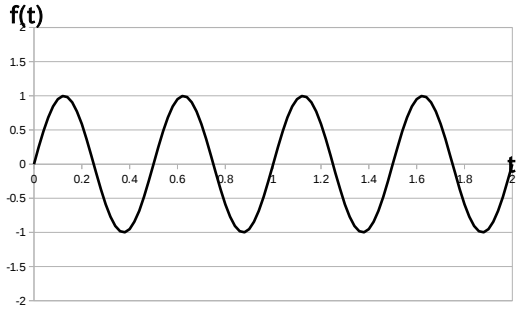
$$f(t) = 2 \cdot \cos(2\pi \cdot t + \pi/8)$$

の位相を反転させたグラフを選択肢 a〜d の中から 1 つ選びなさい。

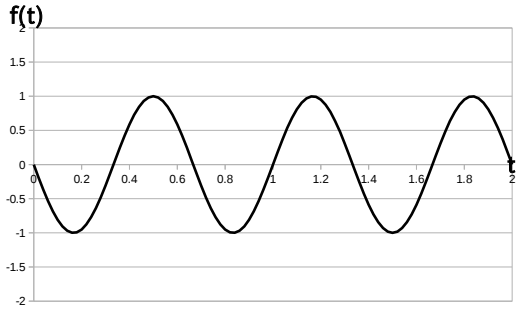
(a)



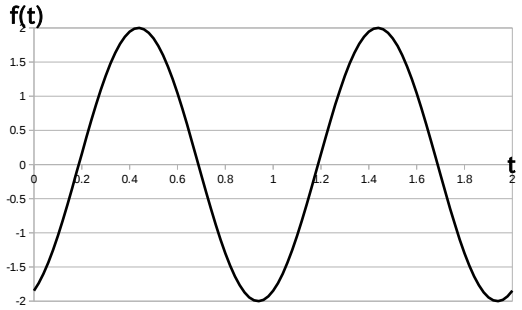
(b)



(c)



(d)



Q5　(10 点)

ID: text01/page05/005

時間領域アナログサイン波

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

の位相を反転させた式を選択肢 a〜d の中から 1 つ選びなさい。

(a)

$$f(t) = 2 \cdot \sin(2\pi \cdot t + \pi/8)$$

(b)

$$f(t) = 1 \cdot \sin(2\pi \cdot t)$$

(c)

$$f(t) = 1 \cdot \sin(2\pi \cdot t + 9\pi/8)$$

(d)

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

Q6　(10 点)

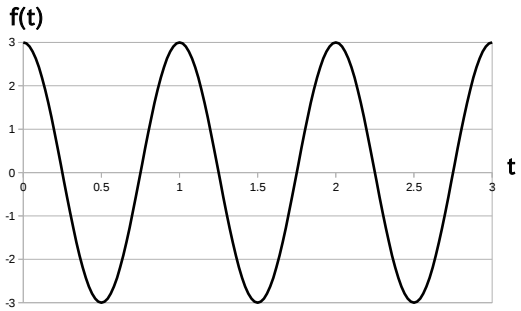
ID: text01/page05/006

時間領域アナログサイン波

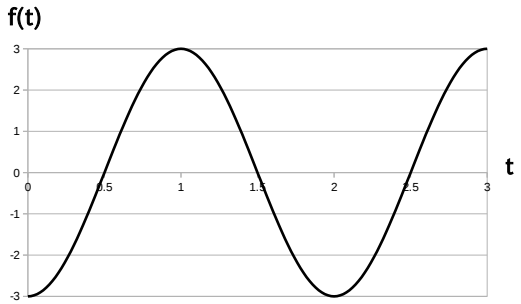
$$f(t) = 3 \cdot \cos(\pi \cdot t)$$

の位相を反転させたグラフを選択肢 a〜d の中から 1 つ選びなさい。

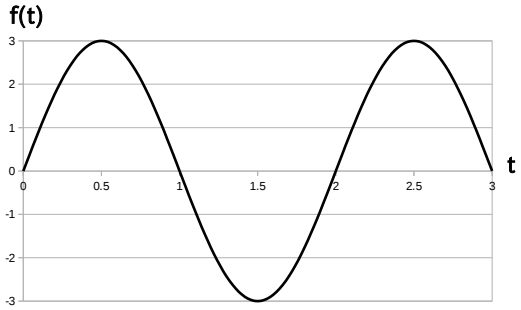
(a)



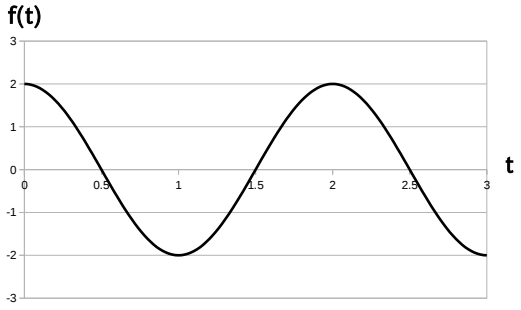
(b)



(c)



(d)



Q7　(10 点)

ID: text01/page05/007

時間領域アナログサイン波

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

の位相を反転させた式を選択肢 a〜d の中から 1 つ選びなさい。

(a)

$$f(t) = 4 \cdot \cos(\pi \cdot t)$$

(b)

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

(c)

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

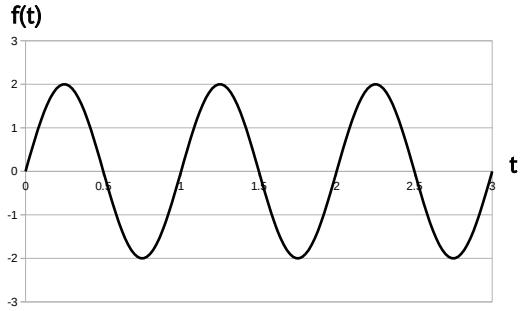
(d)

$$f(t) = 2 \cdot \sin(\pi \cdot t - \pi/4)$$

Q8　(10 点)

ID: text01/page05/008

以下の時間領域アナログサイン波を「反転させた式」を選択肢 a〜d の中から 1 つ選びなさい。



(a)

$$f(t) = 2 \cdot \sin(2\pi \cdot t)$$

(b)

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

(c)

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

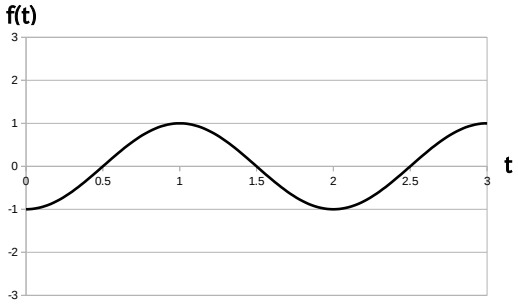
(d)

$$f(t) = -2 \cdot \sin(2\pi \cdot t)$$

Q9　(10 点)

ID: text01/page05/009

以下の時間領域アナログサイン波を「反転させた式」を選択肢 a〜d の中から 1 つ選びなさい。



(a)

$$f(t) = 0.5 \cdot \sin(\pi/4 \cdot t)$$

(b)

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

(c)

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

(d)

$$f(t) = 3 \cdot \sin(3\pi \cdot t)$$

Q10　(10 点)

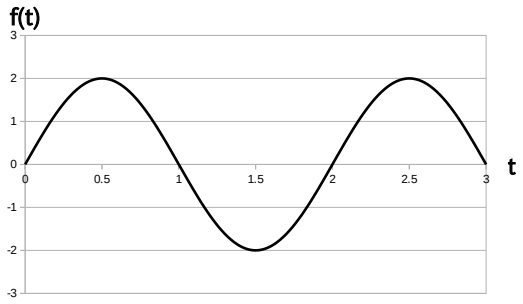
ID: text01/page05/010

時間領域アナログサイン波

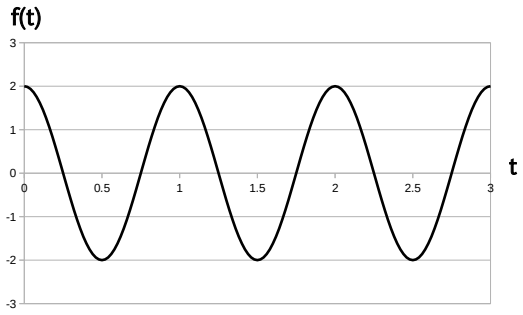
$$f(t) = -2 \cdot \sin(\pi \cdot t)$$

の位相を反転させたグラフを選択肢 a〜d の中から 1 つ選びなさい。

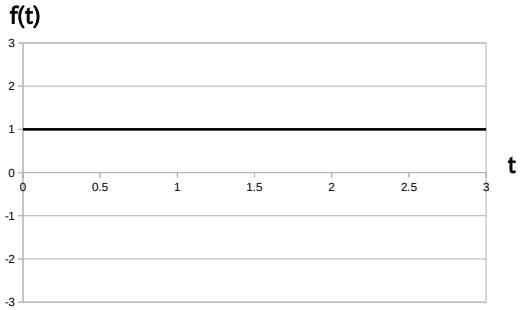
(a)



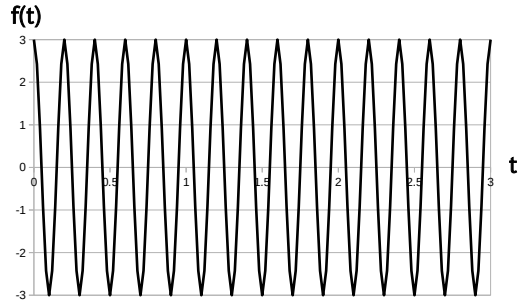
(b)



(c)



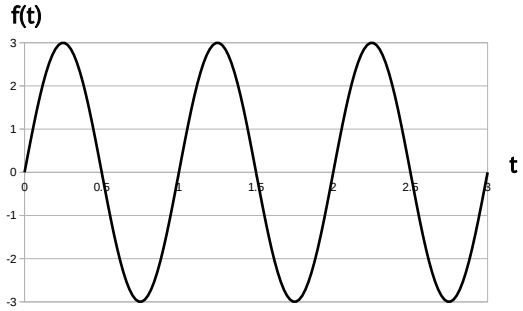
(d)



Q11　(10 点)

ID: text01/page05/011

以下の時間領域アナログサイン波を「反転させた式」を選択肢 a〜d の中から 1 つ選びなさい。



(a)

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

(b)

$$f(t) = -1 \cdot \sin(2\pi \cdot t)$$

(c)

$$f(t) = 3 \cdot \sin(2\pi \cdot t + \pi)$$

(d)

$$f(t) = -3$$

Q12　(10 点)

ID: text01/page05/012

時間領域アナログサイン波

$$f(t) = 1 \cdot \sin(4\pi \cdot t)$$

の位相を反転させた式を選択肢 a〜d の中から 1 つ選びなさい。

(a)

$$f(t) = 1 \cdot \sin(4\pi \cdot t + \pi)$$

(b)

$$f(t) = 1 \cdot \cos(4\pi \cdot t)$$

(c)

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

(d)

$$f(t) = 1 \cdot \sin(4\pi \cdot t) + \pi$$

Q13　(10 点)

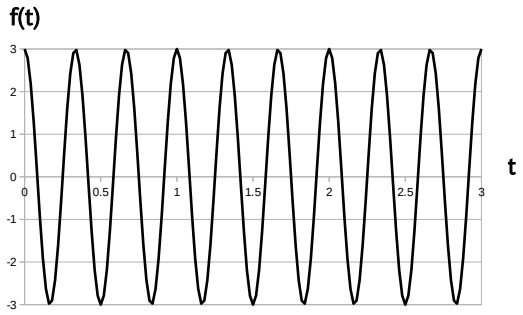
ID: text01/page05/013

時間領域アナログサイン波

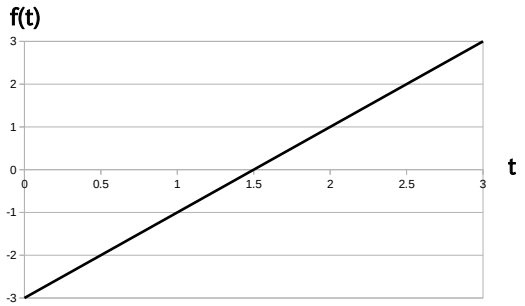
$$f(t) = 0 \cdot \sin(2\pi \cdot t)$$

の位相を反転させたグラフを選択肢 a〜d の中から 1 つ選びなさい。

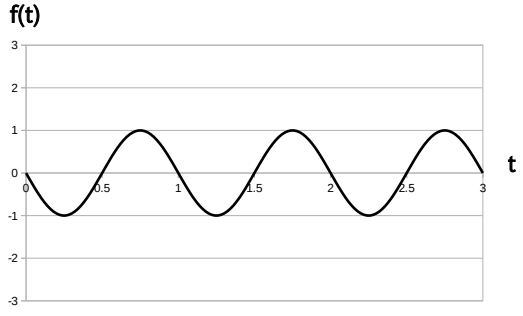
(a)



(b)



(c)



(d)