

2022. 6. 24

No. 2021. 7. 6

Date 8. 7

◇ グラフの傾きと切片

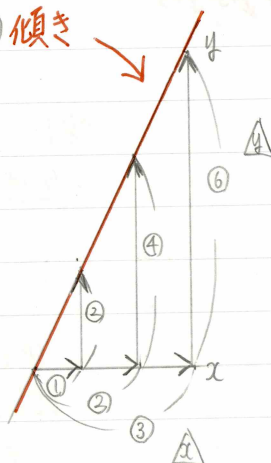
(例) $y = 2x + 3$ のグラフ

↑ 切片

変化の割合 $2 = \frac{2}{1} = \frac{4}{2} = \frac{6}{3} \leftarrow \Delta y \text{ (yの増加量)}$
 $\leftarrow \Delta x \text{ (xの増加量)}$

II

(グラフの) 傾き



(1次関数) 変化の割合

$$y = 2x + 3$$

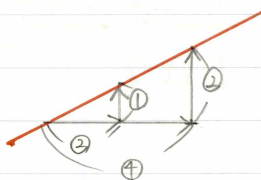
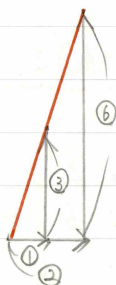
(グラフ)

傾き

切片

$$a = 3 = \frac{3}{1} = \frac{6}{2}$$

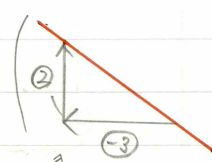
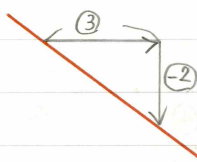
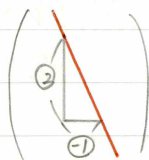
$$a = \frac{1}{2} = \frac{1}{4}$$



$a > 0$ のとき
右上がり

$$a = -2 = \frac{-2}{1} \left(\frac{2}{-1} \right)$$

$$a = -\frac{2}{3} \left(\frac{2}{-3} \right)$$



$a < 0$ のとき
右下がり

ノットをせない。

Ex. (1) $a = 4$

(2) $a = \frac{2}{3}$

(3) $a = -3$

(4) $a = -\frac{1}{4}$

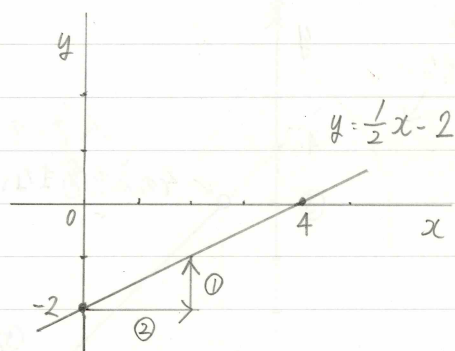
◇ グラフの書き方

(例) (1) $y = \frac{1}{2}x - 2$

$a = \frac{1}{2}$

$b = -2$

- (1) 切片をとる.
(2) 切片から傾きをとる.



Ex. $y = -\frac{2}{3}x + 1$

$a = -\frac{2}{3}$, $b = 1$

