



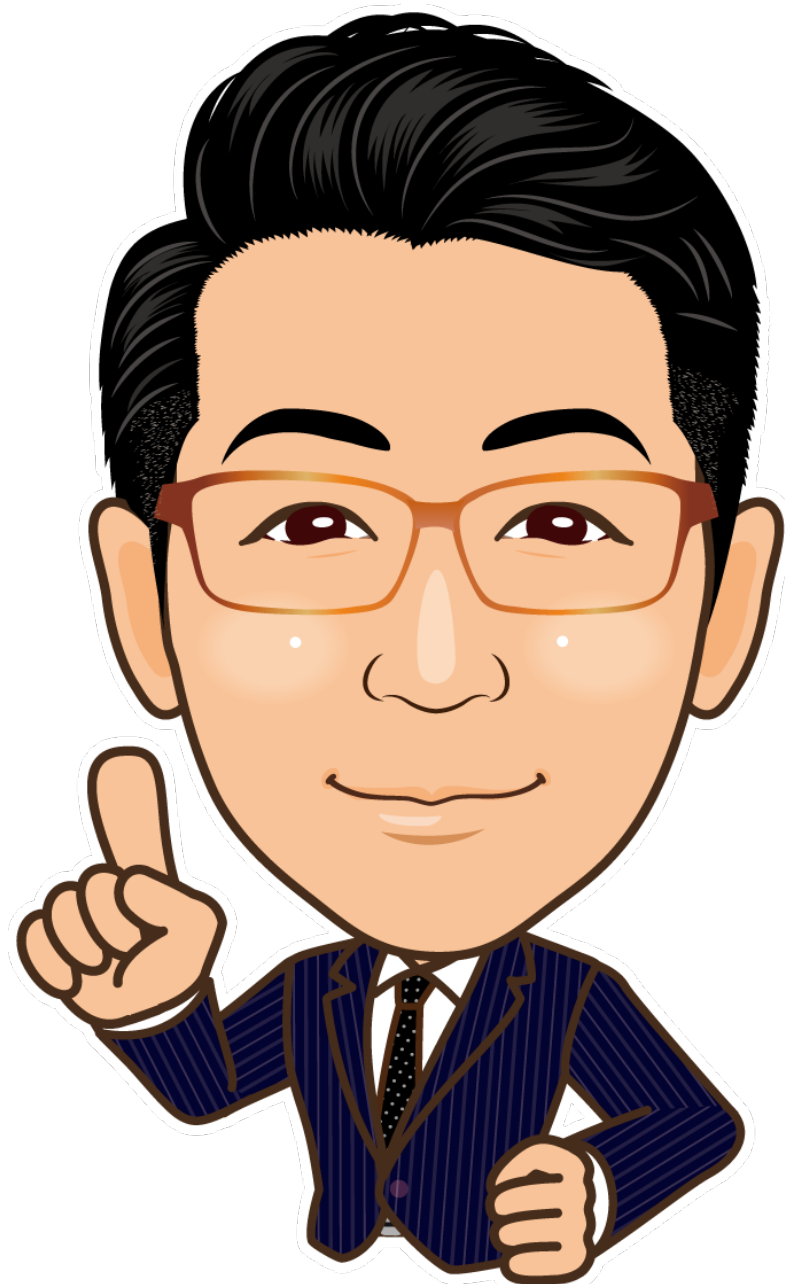
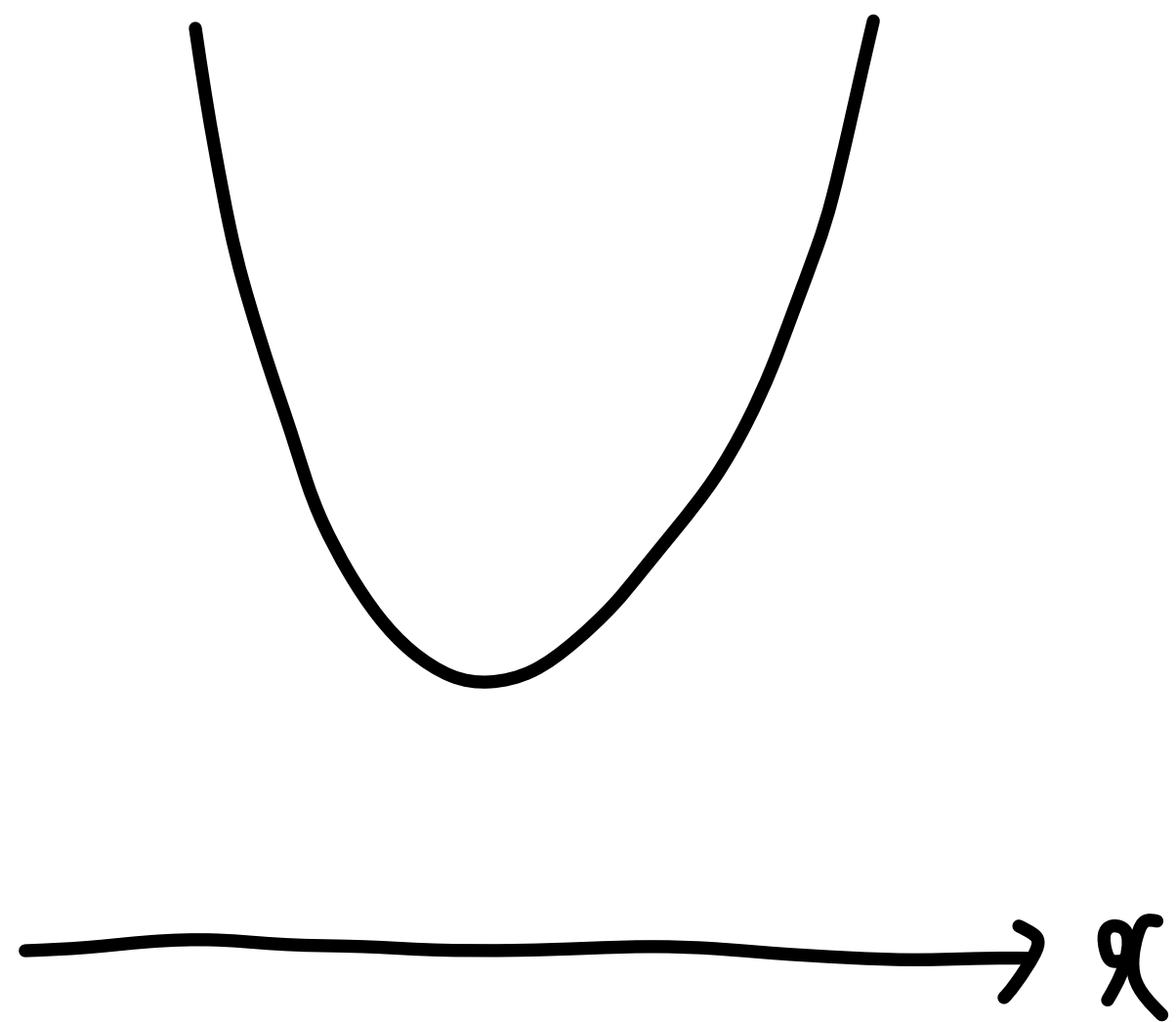
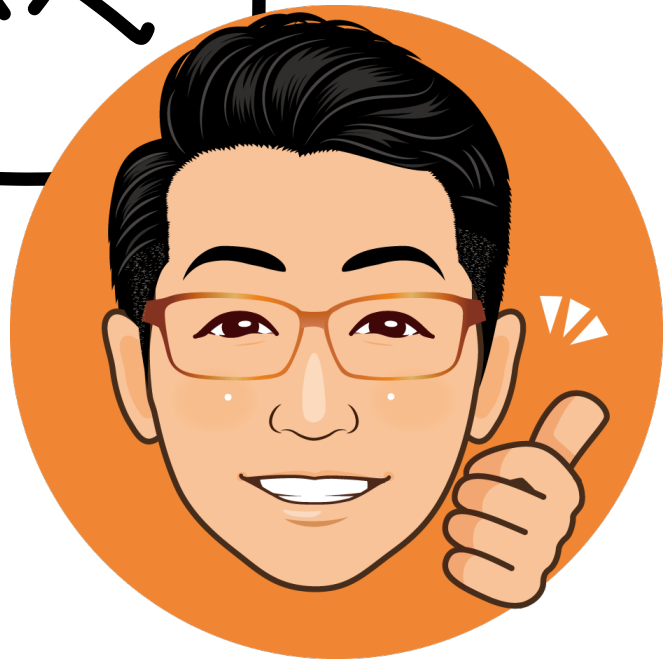
数学I

第3章 2次関数

2次不等式発展①



(ex) $x^2 + 2mx + m + 2 > 0$
の解がすべての実数



$x^2 + 2mx + m + 2 = 0$ の判別式 D

$$D/4 = m^2 - 1 \cdot (m + 2)$$

$$= m^2 - m - 2$$

$D/4 \leq 0$ とおきたい

$$m^2 - m - 2 \leq 0$$

$$(m - 2)(m + 1) \leq 0$$

$$\underline{\underline{-1 \leq m \leq 2}}$$