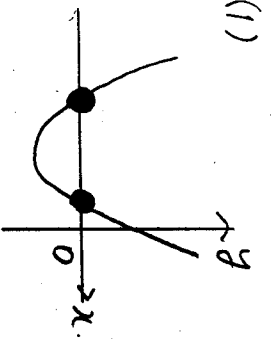


[7]

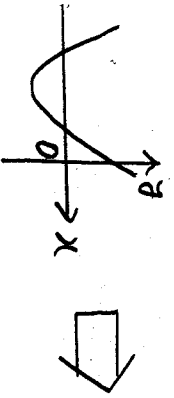
(1)



$$f(x) = 0 \text{ 是}$$

異なる2つの実数解 ① (1)

(2) 図の状態



$$f(x) = a(x-p)^2 + q$$

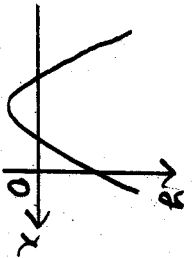
頂上をx軸の上には交わらず

つまり $q \leq 0$ かつ ③ (1)

不等式 $f(x) > 0$ の解が
「空の集合」
⇔ $f(x) > 0$

A coordinate system with x and y axes. A parabola opens downwards and is entirely above the x-axis, not touching it.

図の状態



不等式 $f(x) > 0$ の
「解が2個」
⇔ \cup or \cap

Two coordinate systems with x and y axes. The first shows a parabola opening upwards that intersects the x-axis at two points. The second shows a parabola opening upwards that is entirely below the x-axis, not touching it.

上には凸には交わらず

つまり a の符号を真にすると ① (1)