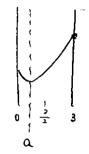
101【二次関数】

a は定数とする. 関数 $f(x) = x^2 - 2ax + a$ $(0 \le x \le 3)$ について,

- (1) 最大値を求めよ.
- (2) 最小値を求めよ.

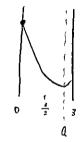
$$\frac{1}{2}(x_0) = (x_0 - a)^2 - a^2 + a.$$

(1) (1) Q<= 3 ast



左国=") 9c=3z" Maxo.9-5a.

m 2 ≤ lage.

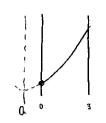


左凶 ギノ. タニ=ロマ゙゙ Max. Q

17下書、作コメ1

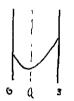
$$\begin{cases} 9-5a & \left(a<\frac{3}{2} \text{ and }\right) \\ a & \left(\frac{3}{2} \le a \text{ and }\right) \end{cases}$$

(2) d) Q < 0 kst.



左回到 9=024 Min. a

BYN EZD ZO 115



左图F1 9C=QZ" Min - a2+Q.

かる 3 く しんば



庄国**/ 1(=3 2" Min 9-5a

LX上Y).最小值口.