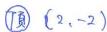
## 12 以下の問いに答えよ. 【\*\*\*】

(1) a を定数とする. 2 次関数  $y = x^2 - 4x + 2$  の  $0 \le x \le a$  における最大値、最小値と、それらを与え る x の値を求めよ.





(1) OCQ < 2 NYZ

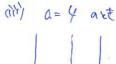


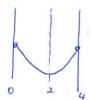
## 9c=0 24 Mays 1. 90= 02" Min 02-40+1.





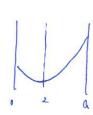
庄园却! 9c=0 2m Mass 2





左图引 2=0, 42" Mars 2 9(=2 x" /M2 -2.

civ) 4 caart

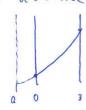


(2) a を定数とする. 2 次関数  $y = x^2 - 2ax + 2$  の  $0 \le x \le 3$  における最大値、最小値と、それらを与え る x の値を求めよ.

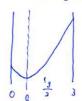
$$\begin{cases}
4 = x^2 - 2ax + 2 \\
= (x - a)^2 - a^2 + 2
\end{cases}$$



di aco aut

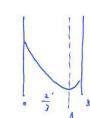


(i) 0 < Q < \frac{3}{2} and



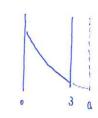
左国引 R= 324 Map 11-64 9c= az Mm 2-a2

of 3 < a < 3 and



大图31 X= 0 z Mago 2 R= a 2" Mm 1-a2

Un 3 < a au€



左回すり X= 0 24 Mays 2 9c=3 2 M m 11-6a