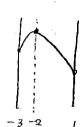
93 【二次関数の最大最小】以下の二次関数の最大値、最小値とそのときの x の値を求めよ.

(1)
$$y = x^2 - 4x + 2$$
 $(0 \le x \le 3)$



(2)
$$y = -x^2 - 4x - 1 \ (-3 \le x \le 1)$$

$$=-\left(\chi^{2}+4\chi\right)-|.$$



(3)
$$y = -2x^2 + 6x + 2 \ (-2 \le x \le 2)$$

$$= -2(\pi^2 - 3\pi) + 2$$

$$= -2(\pi - \frac{3}{2})^2 + \frac{9}{2} + 2.$$

$$= -2\left(\chi - \frac{3}{2}\right)^2 + \frac{13}{2}$$

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



$$9c = \frac{3}{2} \times 11$$
 May $\frac{13}{2}$

