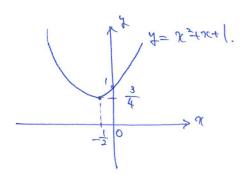
33 以下の二次関数のグラフを描き,軸と頂点を答えよ.

(1)
$$y = x^2 + x + 1$$

$$= \left(\chi + \frac{1}{2}\right)^2 - \frac{1}{4} + \left(\frac{1}{2}\right)^2 + \frac{3}{4}$$

$$= \left(\chi + \frac{1}{2}\right)^2 + \frac{3}{4}$$



(2)
$$y = x^2 - 3x - 3$$

 $= \left(\gamma(-\frac{3}{2})^2 - \frac{3}{4} - 3 \right)$
 $= \left(\gamma(-\frac{3}{2})^2 - \frac{2}{4} \right)$
 $= \left(\gamma(-\frac{3}{2})^2 - \frac{2}{4} \right)$

