94 【方程式】以下の方程式を解け.

(1)
$$|2x+1|=3$$

$$2x+(=\pm 3)$$
 $2x=-(\pm 3)$
 $=2,-4$
 (-2)

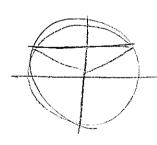
(2)
$$2x^2 + 3x + 1 = 0$$

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

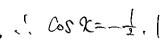
$$(3x+1)x^2-(3x+1)=0$$

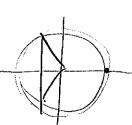
$$(3x+1)(x^2-1)=0$$

(4) $\sin x = \frac{1}{2} \ (0 \le x < 2\pi)$



(5) $2\cos^2 x - \cos x - 1 = 0$ $(0 \le x < 2\pi)$





$$N = 0, \frac{27}{3}, \frac{4}{3}\pi$$

(6)
$$2^{3x+1} = 8$$

 $2^{3x+1} = 2^{3}$
(7) $3x+1 = 3$
 $3x = 2$
 $x = \frac{2}{3}$

(8)
$$\log_2(x+7) = 3\log_2 3$$

$$l_{vg2}(q+7) = l_{vg2}3^3$$
= $l_{og2}9$.

真教部行政.

(9)
$$\log_2(x+1) + \log_2(5-x) = 3$$

$$(x-1)(x-3)=0$$