8. 
$$x^2 - 3x - z = 0$$

alear  $\frac{\pi}{2}$  nya  $x_1$  dan  $x_2$ .

PK baru dan akar  $\frac{\pi}{2}$  (3x, +1) dan

(3x<sub>2</sub> + 1) adl

$$|misal|$$
:  $\alpha = 3x_1 + 1$ 

$$\beta = 3x_2 + 1$$

$$x_1 x_2 = -\frac{2}{1} = -2$$

$$x_1 + x_2 = -(-3) = 3$$

$$2+8 = 3(x_1 + x_2) + 2$$

$$x^2 - (d+\beta)x + d\beta = 0$$

Pk bon ugn alear = (2p+1) dan (29, +1)

TO THE PERSON NAMED IN

adl

misol 
$$d = 2p+1$$

$$\beta = 2q+1$$

$$p \cdot q = \frac{1}{1} = -1$$
 $p + q = -\frac{(-5)}{1} = 5$ 

$$\frac{2 \cdot B}{1} = (2p+1)(2q+1)$$

$$= 4pq + 2(p+q) + 1$$

$$= -4 + 2 \cdot 5 + 1$$

$$= 7$$

$$d+B = (2p+1) + (2q+1)$$

$$= 2(p+q) + 2$$

$$= 2.4 + 2$$

$$= 12$$

$$pk$$
 baru adl  
 $x^2 - (\alpha + \beta)x + \alpha \beta = 0$   
 $x^2 - 12x + 7 = 0$ 

10. 
$$2x^2 + 3x - 2 = 0$$
 alcar  $\frac{1}{2}$  nya x dan  $\beta$ .

misul: 
$$A = \frac{d}{8}$$

$$B = \frac{d}{2}$$

$$d \cdot B = -\frac{2}{2} = -1$$

$$d + B = -\frac{(3)}{2} = -\frac{3}{2}$$

$$A + B = \frac{d}{B} + \frac{B}{d}$$

$$= \frac{d^2 + B^2}{dB}$$

$$= (d + B)^2 - 2 dB$$

$$= \frac{9/4 - 2(-1)}{-1}$$

$$= -14/4$$

$$x^{2} - (A + B)x + AB = 0$$
  
 $x^{2} + \frac{17}{4}x + 1 = 0$   
 $4x^{2} + 17x + 4 = 0$